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Performance Evaluation of the Aerated Lagoon System at Windber, Pennsylvania

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16. ABSTRACT

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FOREWORD

The Environmental Protection Agency was created because of increasing public and government concern about the dangers of pollution to the health and welfare of the American people. The complexity of that environment and the interplay between its components require a concentrated and integrated attack on the problem.

Research and development is that necessary first step in problem solution and it involves defining the problem, measuring its impact, and searching for solutions. The Municipal Environmental Research Laboratory develops new and improved technology and systems for the prevention, treatment, and management of wastewater and solid and hazardous waste pollutant discharges from municipal and community sources, for the preservation and treatment of public drinking water supplies, and to minimize the adverse economic, social, health, and aesthetic effects of pollution. This publication is one of the products of that research; a most vital communications link between the researcher and the user community.

This evaluation study was conducted to collect reliable, comprehensive operating and performance data on a well-designed, three-cell aerated lagoon wastewater treatment system and to determine the system's capabilities for meeting minimum Federal Secondary Treatment requirements.

Francis T. Mayo, Director
Municipal Environmental Research
Laboratory

ABSTRACT

Publicly-owned wastewater treatment lagoons are in extensive use throughout the United States today. However, the long term data needed to conduct a proper evaluation of lagoon design to meet Federal Secondary Treatment Standards have been lacking. This report presents the data collected over a one-year monitoring period of the Windber, Pennsylvania, treatment facility. The Windber treatment system was found to perform very well. Federal Secondary Treatment Standards for suspended solids, fecal coliform, pH and BOD_5 were consistently met. Through the project, the BOD removal was excellent except for the month of July. This appeared to be related to the "solids upset" of Cell #1. In addition to BOD, several other parameters were affected by the "solids upset" of Cell #1. In addition to the parameters for which Federal Standards have been established, many others were monitored and are presented in summary form along with a complete listing of all the data gathered during the study period. As a result of this study, it is apparent that this well-designed, aerated, multi-celled lagoon system is certainly capable of meeting the July 1977 secondary treatment standards, under the conditions prevailing at the time of this study.

This report was submitted in fulfillment of Grant No. R803975 by the University of Pittsburgh at Johnstown under the sponsorship of the U.S. Environmental Protection Agency. This report covers the period of July 1, 1975, to October 31, 1976, and work was completed as of May 1, 1977.

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LIST OF ABBREVIATIONS AND SYMBOLS

ABBREVIATIONS

BOD_5	— five day biological oxygen demand
^oC	— centrigrade
COD	— chemical oxygen demand
DO	— dissolved oxygen
mgd	— million gallons per day
mg/l	— milligrams per liter
ml	— milliliter
MPN	— most probable number
pH	— -log $[H^+]$
ppm	— parts per million
SS	— suspended solids
TKN	— total Kjeldahl nitrogen
TOC	— total organic carbon
JTU	— Jackson turbidity unit
TCOD	— total chemical oxygen demand
WW	— wastewater

SYMBOLS

ca	— approximately
$CaCO_3$	— calcium carbonate
HCO_3^-	— bicarbonate ion
H_2SO_4	— sulfuric acid
N	— nitrogen
NH_3	— ammonia
NH_4^+	— ammonium ion
NO_2^-	— nitrite ion
NO_3^-	— nitrate ion

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SECTION 1

INTRODUCTION

There are over 4,000 publicly-owned wastewater treatment lagoons in operation throughout the United States today. These systems serve both suburban and rural communities and, where land is available, are believed to possess several inherent advantages over other treatment modalities; e.g., a large buffer capacity, simple operation and maintenance, low operational costs, and relatively high COD and TOC removals. The long term data needed to conduct a proper evaluation of lagoon capabilities to meet July 1977 secondary treatment standards and the impact of seasonal climatic variations on these capabilities have been lacking. Therefore, the U.S. Environmental Protection Agency funded several geographically distributed studies designed to acquire the missing data.

The performance data discussed in this report were collected for the aerated multi-cell facultative lagoon system operated by the Windber Area Water Authority of Windber, Pennsylvania. It is believed that the biological and chemical data contained in this report should not only be of value to both design engineers and regulatory officials but should also assist the EPA in achieving its stated objective of defining lagoon design capabilities and upgrading needs.

SECTION 2

CONCLUSIONS

After carefully analyzing the data collected over the 12-month study period, the following conclusions were reached regarding the ability of the Windber Wastewater Treatment lagoon facility to comply with secondary treatment standards:

1. The Windber treatment facility is a highly efficient system for the community it serves and performed very well during the study period.

2. The Federal Secondary Treatment Standards for suspended solids, fecal coliform, pH and BOD_5 were consistently met.

3. The percent BOD removal was in violation of the Federal Permit only during July, a 30-day monitoring period. During this month, the percent BOD removal fell to 82 percent. This appears to be related in some manner to the observed "solids upset" of Cell #1 which began in late April.

4. With the exception of June, July, and August, NO_3^- - N ion concentrations exceeded the NO_2^- - N ion levels. However, during the months stated, a reversal did occur suggesting that during the period in question the nitrification steps, for some unknown reason, lead to a less oxidized form of nitrogen.

5. In this climate, well-designed, aerated, multi-celled wastewater treatment facilities appear to provide small towns with a method by which to comply with Federal Secondary Treatment Standards.

SECTION 3

RECOMMENDATIONS

Although intensive monitoring of the Windber Wastewater Treatment Plant supported the fact that the plant was highly efficient, an area in which plant effectiveness could be improved was noted. It is with this goal in mind that the following recommendation is made:

> In view of the plant's inability to meet the required percent BOD removal during July, and the suggestion that this phenomenon is probably related to the "solids upset" of Cell #1, it is felt that further study of this and related phenomena should be made in order to determine how to improve the plant effluent quality.

SECTION 4

DESCRIPTION OF THE WINDBER AREA WASTEWATER TREATMENT PLANT

The wastewater treatment facility studied was the Windber, Pennsylvania, plant. The location of the facility in relation to the University of Pittsburgh at Johnstown (UPJ) is given in Figure 1. This lagoon system presently serves the town of Windber, the borough of Geistown, and parts of Richland township, including UPJ. The system employed at the Windber facility is a Hinde Air Aqua three cell lagoon system constructed by Neilan Engineers, Inc. of Somerset, Pennsylvania, according to the specifications in Table 1. The system was placed in operation around January 1, 1972. This Hinde Air Aqua system was designed to serve a population of 20,000 people or handle an influent flow of 7570m^3/d (2 mgd). The system presently serves a population of approximately 14,000 people and has a maximum influent flow of 5677.5m^3/d (1.5 mgd). Thus the Windber plant is operating at 75% of capacity.

The plant operated by the Windber Area Authority was chosen as an example of a well-designed aerated facultative lagoon system located in an area where rather severe winter climate is experienced. A schematic of this lagoon system appears in Figure 2 and a photograph of the system in Figure 3.

The plant schematic indicated in Figure 2 depicts the following sequence of operation.

The entry of wastewater is through a 59.9 cm (24") diameter trunk sewer and into a Parshall flume. A radial screen equipped with a grinder is then used to trap large and floating solids in order to grind them to a smaller size. If the screen and grinder are out of operation, a bypass bar is used as a backup. In order to keep organic solids from precipitating at this point, the system makes use of an aerated grit removal tank. This grit is treated with lime and buried in a sanitary land fill near the plant. The three cells that form the major portion of the system are aerated and operate in series. The effluent of Cell #1 is pumped to Cell #2 and allowed to return to Cell #3 via gravity flow. However, there is a bypass arrangement that connects Cell #1 to Cell #3. Air is supplied to the three cells via 25,610 m (84,000 ft) of perforated submerged tubing. These tubes are closely spaced in Cell #1 where the organic load is the highest and become less closely spaced in Cells #2 and #3 as the organic load decreases. The effluent of Cell #3 is continuously treated with Cl_2(g) to maintain a Cl_2 residual of .5 ppm in the chlorinated effluent that passes from the plant into the Stonycreek.

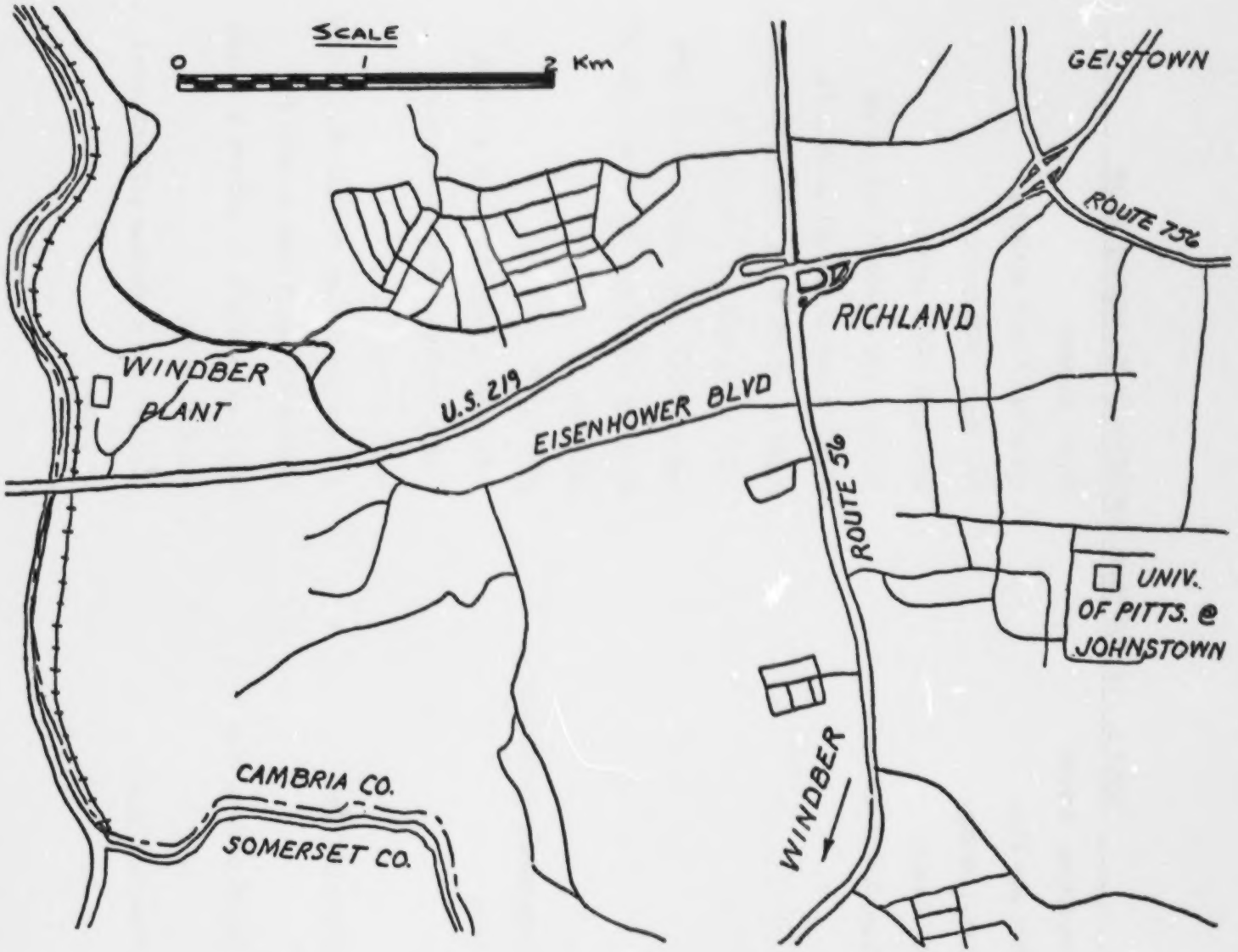


Figure 1. Site map - location of the Windber plant with respect to UPJ

TABLE 1. DESIGN CHARACTERISTICS OF THE WINDBER PLANT

Population Served	20,000 maximum
Influent Flow	7570m^3/d (2 mgd) maximum
BOD_5 Loading	1542 Kg/d (3400 lb/day)
SS Loading	1814 Kg/d (4000 lb/day)
Quantity of Air	25,610 m (ca 84,000 ft) of tubing 15,854 m (ca 52,000 ft) in Cell #1, 8,540 m (ca 28,000 ft) in Cell #2, and 1,220 m (ca 4,000 ft) in Cell #3 Delivers 562 l/sec (1190 CFM) at 6328 Kg/m^2 (9 psi) for a 396 m (ca 1,300 ft) elevation
Temperature Coefficient	20°C (68°F)
Cells	3 in number, each 3.0 m (10 ft) deep with a surface area of 8.4 hectare (20.7 acres)
Detention Time	30 days (ca 11 days in Cell #1, 14 days in Cell #2, and 5 days in Cell #3)
Cl_2(g) Contact Time	Added continuously to achieve a .5 ppm residual level
Dissolved Oxygen	Designed for a minimum effluent level of 3 ppm

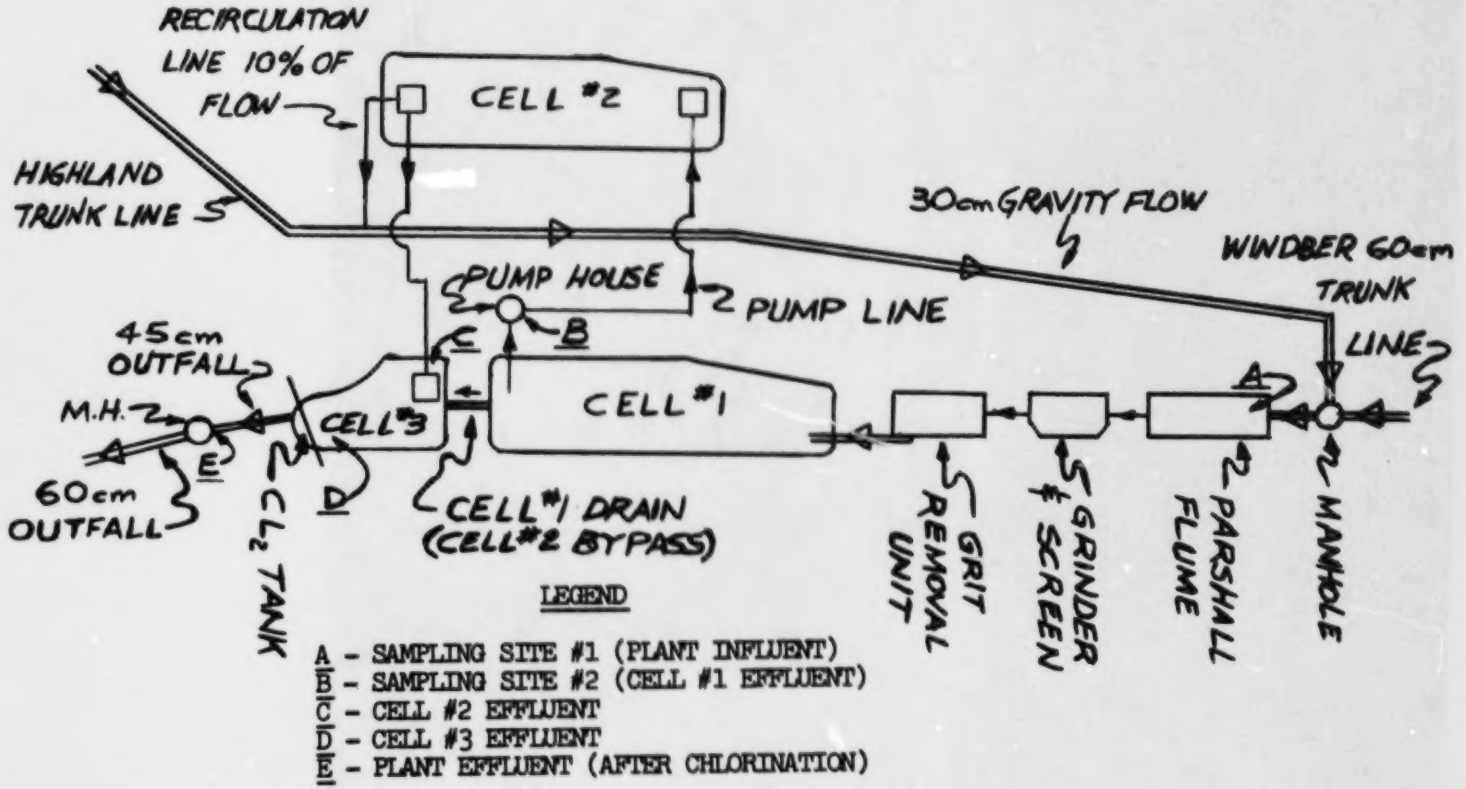


Figure 2. Schematic for the Windber water treatment plant

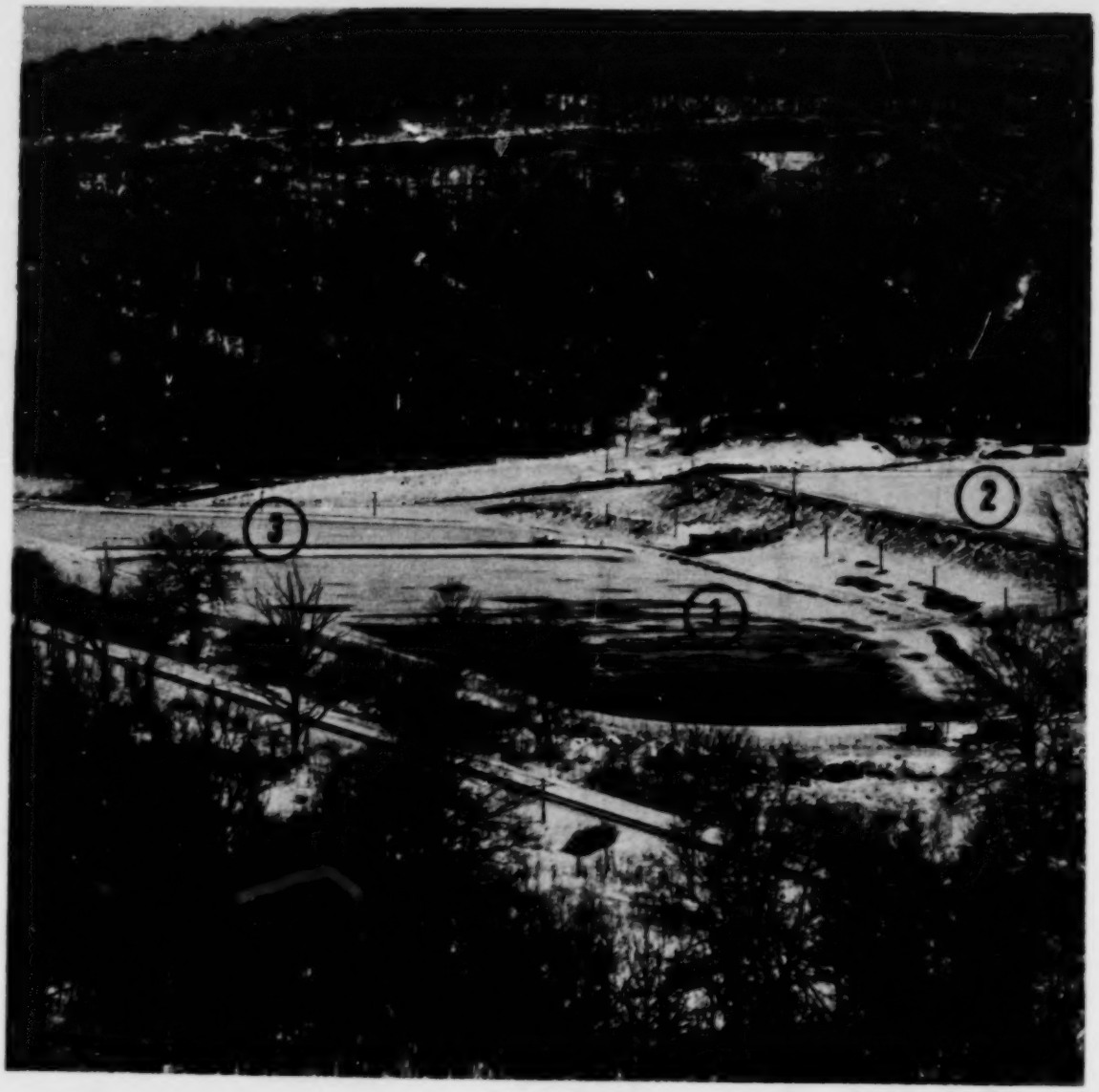


Figure 3. Photograph of Windber water treatment plant with cell locations

SECTION 5

SAMPLING AND ANALYSIS PROCEDURES

SAMPLING PREPARATION

Five N-Con Scout II Portable Composite Samplers were calibrated and installed at each of the sampling locations suggested by a representative of the EPA (see Figures 2 and 4 through 8). These samplers were selected because of their "purge before and after" capability since it was believed that this would reduce line freezing during the winter months. Sample intake was ca 20 cm (8 inches) below the surface of the cells for all sampling locations except for Site #2, see Figure 6.

Fisher-Porter flow meters located at both the influent and effluent sites of the multi-cell system were repaired at the beginning of the project and several times during the study period.

It was necessary to install two ramps on Cell #3 in order to properly position the automatic samplers. A steel ramp was permanently installed in the vicinity of Cell #3 effluent (before chlorination), Site #4. Another ramp was installed at the opposite end of Cell #3, near the Cell #2 effluent, Site #3. The latter ramp was constructed from 50 gallon oil drums and has a wooden walkway. This ramp is considered to be temporary (see Figure 7).

LAGOON MONITORING

Sampling Schedule

Because the Windber Treatment Plant was selected to represent a facility in the Mid-Atlantic United States, considerable effort was expended to properly select those 30-day periods which would be most representative of the four seasons. The study in its entirety involved 8 months of 7 consecutive days of analysis and 4 months of 30 consecutive days of analysis. After checking weather records for the past 15 years, and the plant wastewater temperature, flow and level records since 1972, the following schedule was developed, Table 2.

The dates listed in Table 2 represent days of actual laboratory analysis. The samplers were turned on one day prior to the beginning day listed for each month (e.g., samplers were turned on December 1, 1975, for the 7-day period in December beginning December 2). The analyses to be performed at each sampling site, as requested by the EPA are indicated in Table 3.

Figure 4. Grit-system at Windber plant

Figure 5. Location of sampling site #1

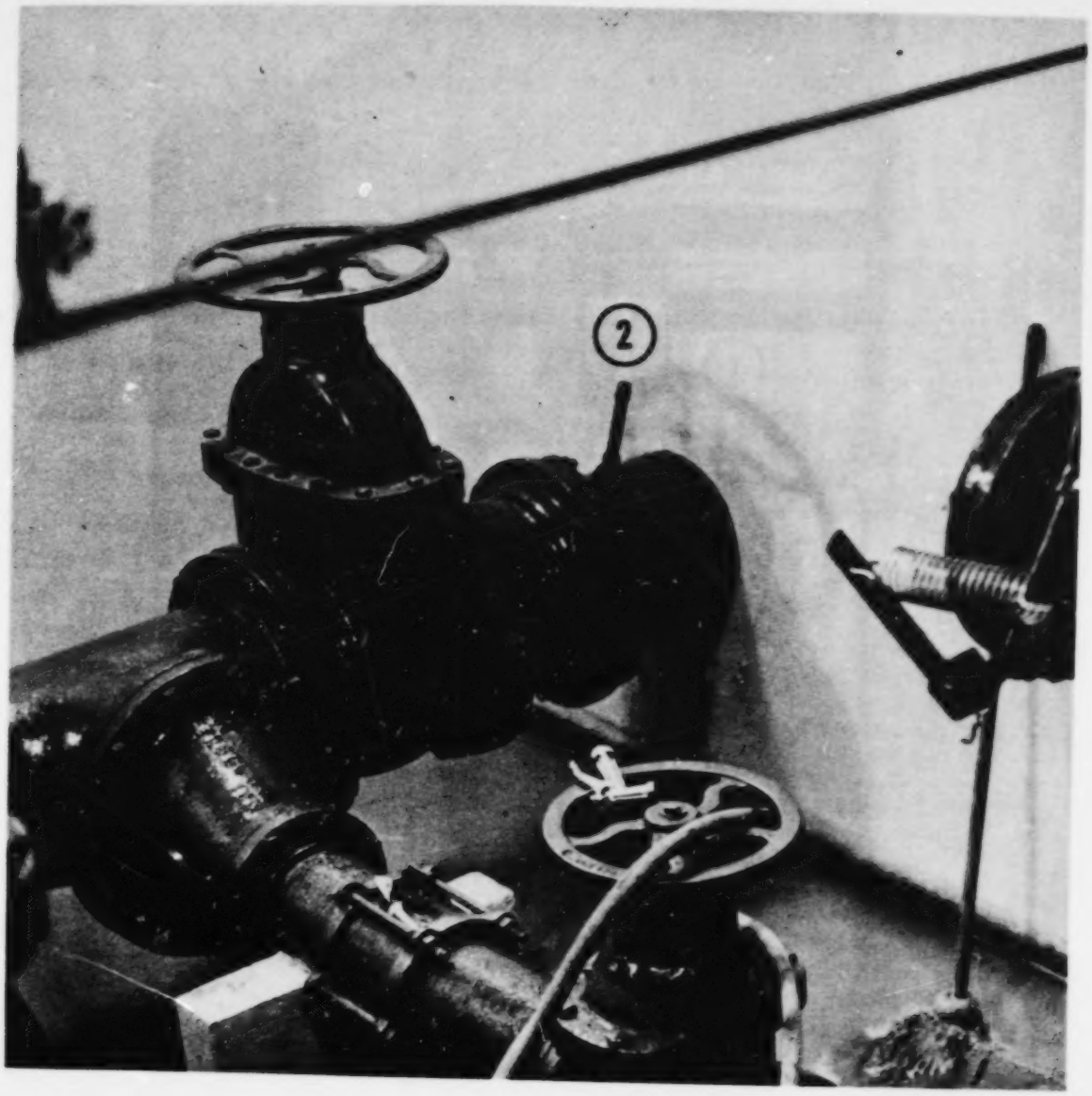


Figure 6. Location of sampling site #2 (indoors)

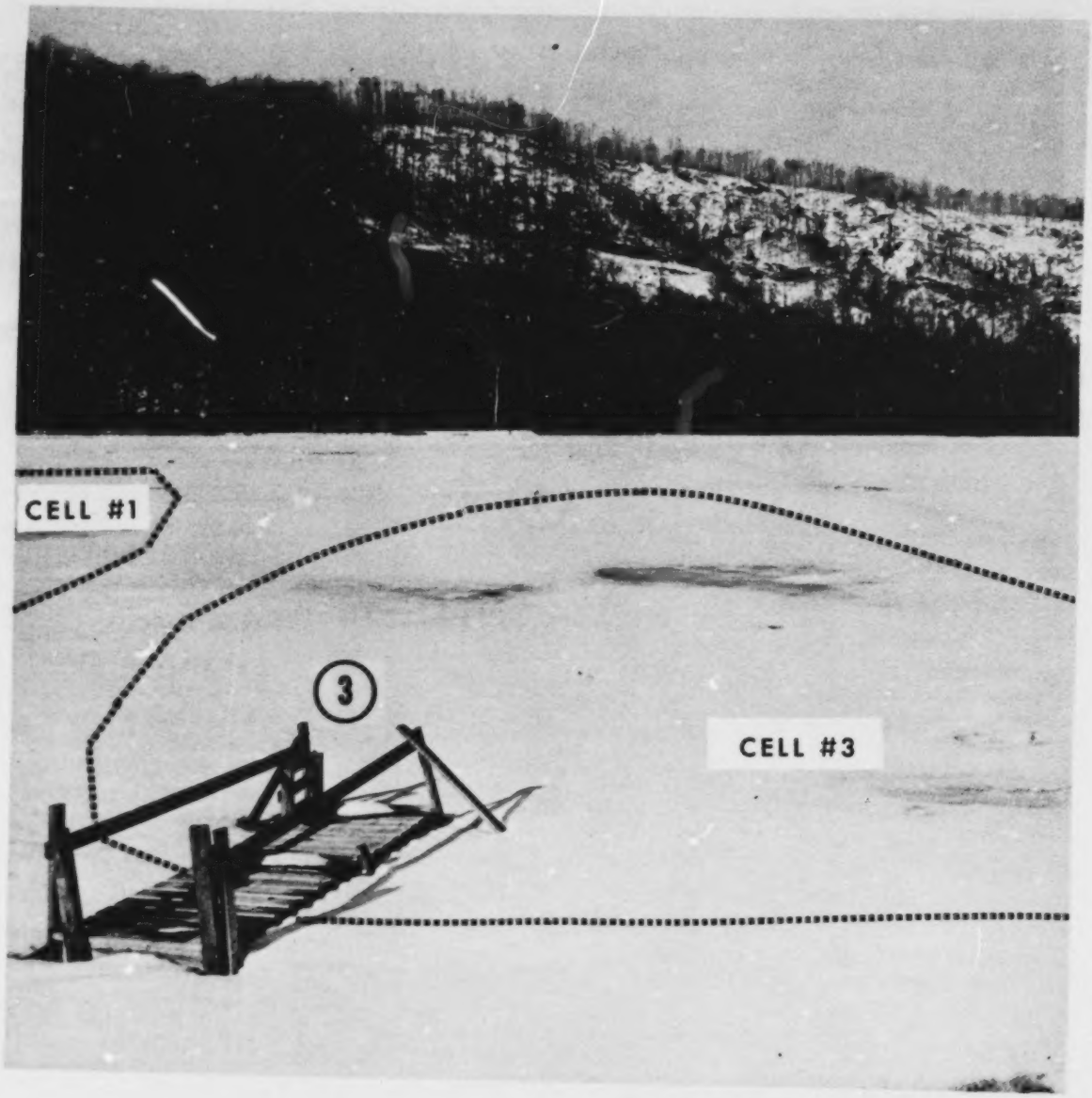


Figure 7. Location of sampling site #3

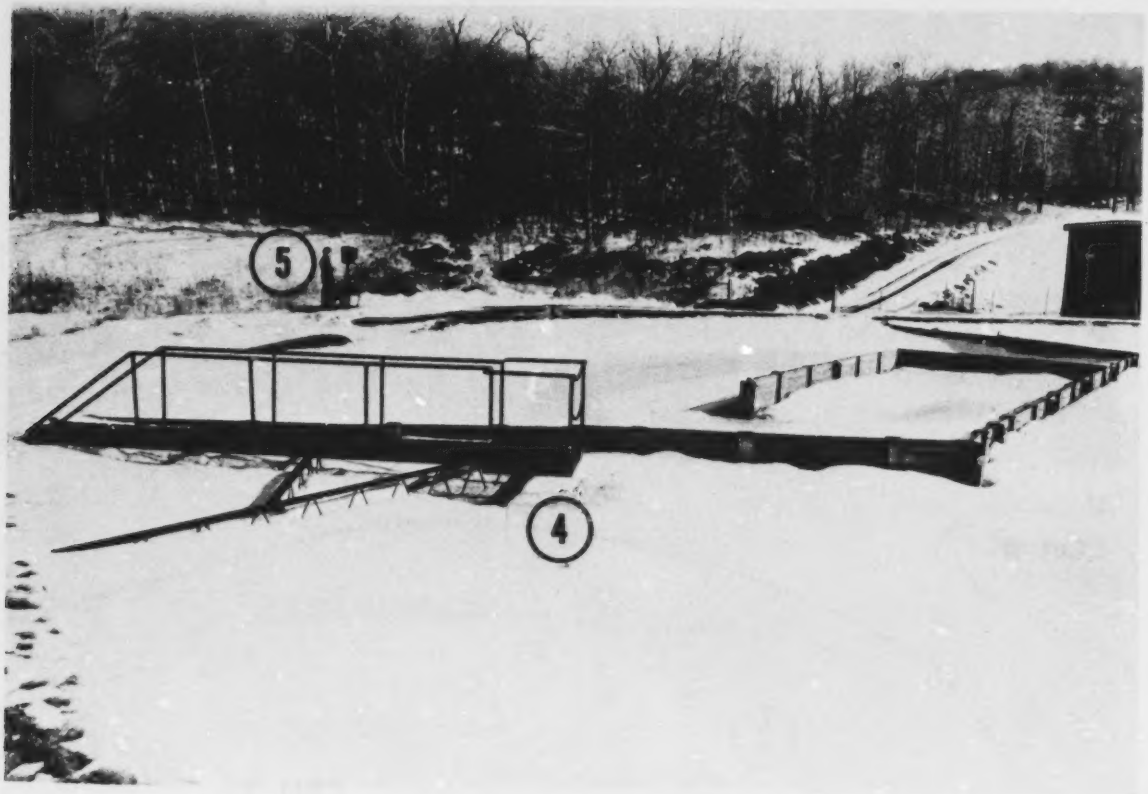


Figure 8. Location of sampling sites #4 and #5

TABLE 2. EPA LAGOON MONITORING SCHEDULE

Season	Month	Year	Sampling Period
	November	1975	11/6 - 11/12
	December	1975	12/2 - 12/9
	January	1976	1/6 - 1/12
Winter*	February	1976	2/1 - 3/1
	March	1976	3/10 - 3/16
	April	1976	4/6 - 4/12
Spring*	May	1976	5/1 - 5/30
	June	1976	6/9 - 6/15
Summer*	July	1976	7/5 - 8/3
	August	1976	8/16 - 8/22
	September	1976	9/8 - 9/14
Fall*	October	1976	10/1 - 10/30

*30 day monitoring periods

Methods of Analysis

pH--

A Sargent Model LS pH meter located at the lagoon site laboratory was used. The pH values reported represent the pH of daily composite samples.

Dissolved Oxygen (DO)--

Dissolved oxygen data was monitored at all sites with a Model 51B YSI oxygen meter equipped with a YSI 5720 stirring probe in accordance with the procedures contained in the 13th Edition of Standard Methods.[1]

BOD_5--

BOD_5 values were obtained using the Model 51B YSI system described above before and after the 5-day incubation period as indicated in the Standard Methods. Samples were taken at all sampling sites and with the exception of Site #2 were taken 20 cm (8 inches) under the surface.[1]

Total Alkalinity--

Samples were titrated with .0204 N H_2SO_4 to a pH of 4.5 using a Fisher Accumet Model 230 pH meter and then to a pH of 4.2. The detailed procedure used is described in the Standard Methods for Water and Wastewater Analysis.[1]

Suspended Solids (Total and Volatile)--

Suspended solids were determined by filtering samples through a tared glass fiber filter (Whatman GF/C5.5 cm) which was then dried at 110°C and

TABLE 3. LAGOON MONITORING REPORT

Date _____

Local Temperature High _____ Low _____

Precipitation Rain _____ Inches Snow _____ Inches

Parameter	Site #1	Site #2	Site #3	Site #4	Site #5
WW Flow Min.		X	X	X	
Peak		X	X	X	
WW Temperature					
pH					
Dis. Oxygen					
Alkalinity					
Total BOD_5					
Soluble BOD_5					
Total Susp. Solids					
Volatile Susp. Solids					
Total COD					
Sol. COD					
Total Phosphorus		X	X		
TKN		X	X		
NH_4^+ - N		X	X		
NO_2^- - N	X	X	X		X
NO_3^- - N	X	X	X		X
Algae Cell Count	X				
Fecal Coliform	X	X	X		
Turbidity					
Chlorine Resid.	X	X	X	X	

X Sites at which the parameter was not recorded

weighed. This material was then placed in a muffle furnace at 550°C for 15 minutes and then reweighed to determine the amount of volatile solids.

Chemical Oxygen Demand (COD)--

COD determination was made via acid digestion (three hour reflux) in the presence of potassium dichromate. The excess dichromate was then titrated with a standard ferrous ammonium sulfate solution using a ferroin indicator. The procedure follows that outlined in the EPA publication, "Methods of Chemical Analysis of Water and Wastes,"[2] with the exception of sample size. Due to the high COD of the raw influent, this sample's volume was reduced to 10 ml for total COD measurements. A 15 ml sample was used to determine the soluble COD of the raw influent. Samples were filtered using Whatman #1 11.0 cm filter paper.

Total Phosphorus—

Phosphorus samples were treated with persulfate digestion followed by 30 minutes of autoclaving at 10,547 Kg/m^2 (15 PSI). Phosphorus was then determined colorimetrically as the phosphomolybdate complex using a Technicon Autoanalyzer as described by Kamphake, Hannah, and Cohen.[3]

Total TKN—

TKN determinations were made with a micro Kjeldahl appratus using 50 ml of cell sample as outlined in Standard Methods. The NH_4^+ - N levels were determined using an Orion 95-10 ammonia electrode in conjunction with a Beckman 3500 pH meter as described by Le Blanc et. al.[4] Values were routinely cross-checked with the Technicon Autoanalyzer.[3]

Ammonia-Nitrogen—

NH_3 determinations were made using the Orion-Beckman system described above for TKN. At least once a week these values were cross-checked with the O-phenolate colorimetric method using the Technicon Autoanalyzer.[3]

Nitrate and Nitrite-Nitrogen—

These ion concentrations were determined with the aid of Technicon Autoanalyzer following the procedure of Kamphake, Hannah, and Cohen.[3]

Algae Cell Count—

Algae samples were collected from all sites with the exception of Site #1 in accordance with the EPA request (see Table 3). Samples were collected by allowing the samples to run freely through the portable samplers (except at Site #2) or by sampling with a Kemmerer bottle at the portable sampler intake. The samples (one liter) were taken back to the University laboratory and either centrifuged immediately with a Foerst plankton centrifuge or held for no longer than a day in the refrigerator. The samples were then counted using a Sedgewick-Rafter counting chamber and Whipple ocular. Phytoplankton counts were then computed as cells per liter. In order to determine the manner in which algae reflect seasonal changes and fluctuations in inorganic and organic materials, the algae samples were collected more frequently than requested by the EPA. Sampling periods were increased from the recommended one to two days for the 7-day sampling period and from three to six days for the 30-day sampling periods.

Fecal Coliforms—

Fecal coliforms were detected by a standard enrichment and selection method.[1] Samples were collected in sterile bottles at sites before and after chlorination of cell effluent. "After-chlorination" bottles contained 0.1 ml of a 10% solution of sodium thiosulfate (as a neutralizer of residual chlorine). Five tubes of sterile double-strength lactose broth, with gas collection vials, were each inoculated with 10 ml of water sample. Five tubes of single-strength lactose broth, with gas collection vials, received 1.0 ml of sample and five more similar single-strength broth tubes received 0.1 ml of inoculum. All tubes were incubated at 37°C for 24 hours and examined for gas in the collection vials. If all tubes appeared negative, they were incubated for an additional 24 hours. All tubes in which gas was apparent were tabulated and used as sources of inoculum for tubes of EC medium. All tubes of EC medium with gas collection vials were incubated in

a 44.5°C water bath for 24 hours. All tubes positive for gas in EC medium were recorded and considered positive for fecal coliforms. The coliform count was calculated from these data using an MPN index and reported as fecal coliforms per 100 ml sample.

Turbidity--

Turbidimetric measurements were made using a Jackson candle turbidometer using both 25 cm and 75 cm tubes in accordance with Standard Methods.[1] This method gives excellent results down to 25 turbidity units. A secondary standard (spectrophotometric) was employed to obtain turbidity units below 25 turbidity units for Sites #3, #4, and #5.

Residual Cl_2--

Grab samples were taken once a day in the morning and analyzed following the procedures outlined in the 13th Edition of Standard Methods.[1]

SECTION 6

DISCUSSION OF THE BIOLOGICAL AND CHEMICAL DATA FOR THE WINDBER WASTEWATER TREATMENT PLANT

The major underlying hypothesis behind the present design of aerated multi-cell treatment systems is that the severity of the treatment problems encountered can be minimized by mechanically supplying air to some or all of the cells in a multi-cell system.[5] In fact, it is believed that such systems can meet the secondary treatment standards established by the Federal Water Pollution Control Act Amendments in 1972 regardless of the season of the year. According to these amendments, publicly-owned treatment facilities must meet the following effluent standards set by the EPA for July 1977:

a) The 5-day biochemical oxygen demand (BOD_5) and suspended solids (SS) shall not exceed an arithmetic mean of 30 mg/l for effluent samples collected over a period of 30 consecutive days nor 45 mg/l for samples collected over a period of 7 consecutive days.

b) The arithmetic mean of effluent BOD_5 and SS values determined on samples collected for a period of 30 consecutive days shall not exceed 15 percent of the arithmetic mean of the BOD_5 and SS values determined on influent samples collected at approximately the same times during the 30-day period.

c) The geometric mean of fecal coliform bacteria in the effluent shall not exceed 200 per 100 ml for samples collected during a period of 30 consecutive days, and 400 per 100 ml for samples collected during a period of 7 consecutive days.

d) The effluent pH values shall remain within the limits 6.0 to 9.0.

These standards were published in the Federal Register on August 17, 1973. The definition of secondary treatment for federal regulation of municipal wastewater treatment plant effluents has been or is being modified. The Federal Register Vol. 41, no. 144, Monday, July 26, 1976, pp. 30786-30789, contains amendments pertaining to effluent values for pH and deletion of fecal coliform bacteria limitations from the definition of secondary treatment. The Federal Register Vol. 41, No. 172, Thursday, September 2, 1976, contains proposed changes in the suspended solids requirements for small municipal lagoon systems serving as the sole process for secondary treatment of wastewater.

Thus, the purpose of this project was to collect year-round operating and performance data on the Windber Wastewater Treatment Plant, an example of a well-designed system, in order to determine how well it functions as a

secondary treatment system throughout the year.

The computation of weekly and monthly averages for the collected data were greatly aided by the use of the DEC-10 (Digital Equipment Corporation) computing system.

COMPARISON OF THE WINDBER PERFORMANCE DATA WITH SECONDARY TREATMENT STANDARDS

Tabulation of BOD_5, SS, fecal coliform and pH by month appears in Table 4. A graphical distribution of the same information along with effluent standard values appears in Figure 9.

Analysis of the aforementioned data shows that the Windber treatment facility performed extremely well throughout the study period and was in compliance with all but one of the Federal standards. The only violation occurred during the month of July. During that 30-day monitoring period, the percent BOD_5 removal dropped to its lowest value of the year, 82 percent. During October, the value dropped to 84 percent. This was probably due to the fact that all cells were partially drained at the end of August to repair leaks thus causing a "solids upset."

Each year as the season changes from winter to spring, the character of Cell #1 undergoes a change which is observed both physically and chemically. Fortunately, for our study, the observed change was more marked and of a longer duration than in prior years. During the winter months, the solids precipitate with little degradation. Warming of the water with the onset of spring causes degradation of the solids.

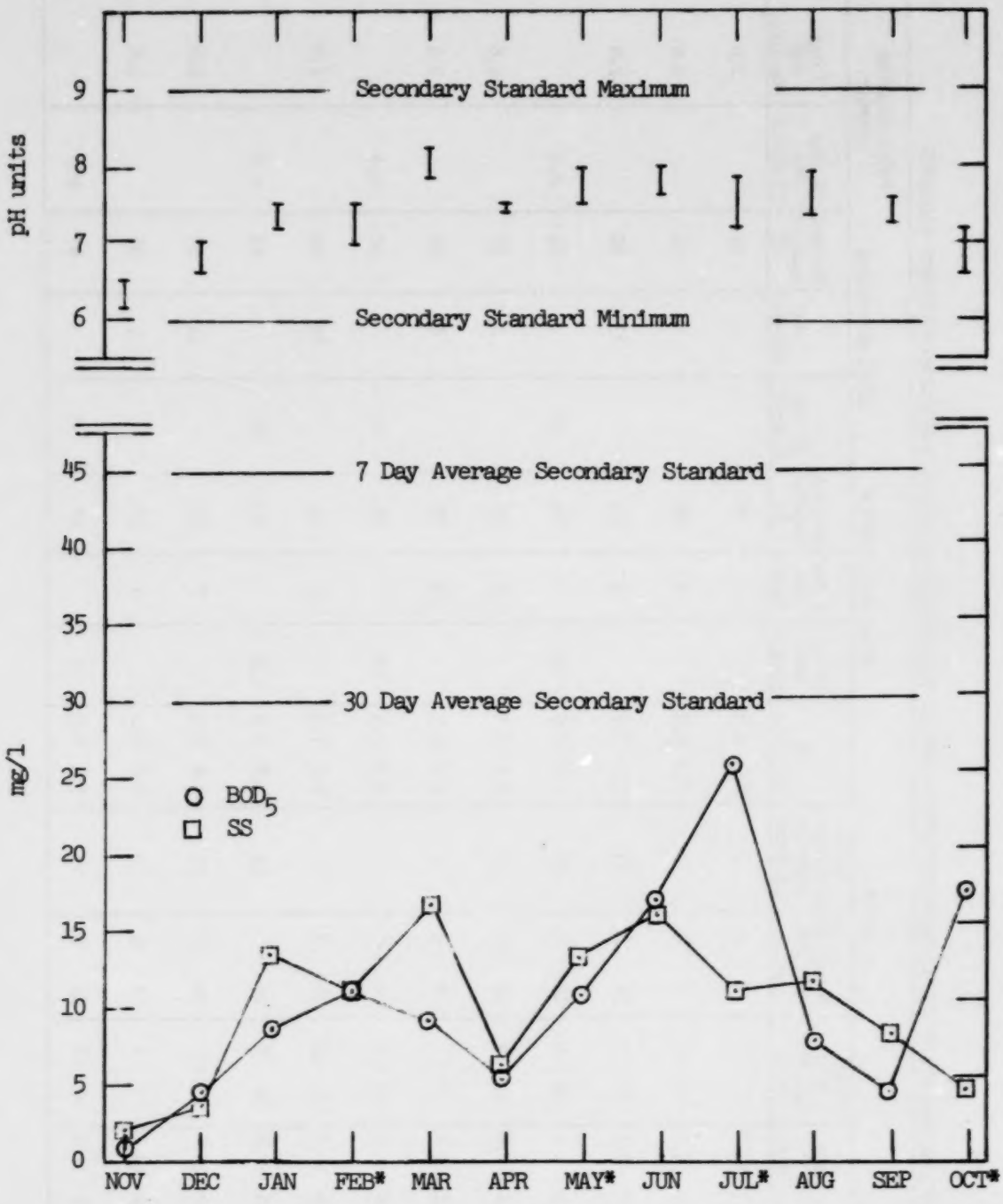
The phenomenon, possibly triggered by an unseasonal heat wave, began in mid-April when temperatures soared to as high as 35°C (95°F). The cell turned black, dissolved oxygen levels fell significantly, suspended solids levels rose, and there was a marked offensive odor. The duration of the "solids upset" lasted from April 20, 1976, to July 14, 1976.

It is believed that the violation of the Federal Permit for July is related to the "solids upset" of Cell #1, described above, which lasted approximately three months. BOD_5 removals began to show a steady decline in late May, and returned to normal in early August. Figures 10 and 11 graphically display the fluctuations of the many parameters affected by the "solids upset" of Cell #1.

In all tests the coliform level in the chlorinated effluent was well within the limits of the standards. For 5 months of the study period (November-December 1975 and April-June 1976) the coliform counts were found to be 2 cells or less per 100 ml of chlorinated effluent. (MPN's of 2 cells or less were recorded on the daily data sheets as 2.) The highest measured count obtained by the MPN method used was 17 per 100 ml of chlorinated effluent on one day in March 1976. Although during certain study periods, fluctuations of suspended solids, BOD_5 values and various species of nitrogen were noted, there appears to be no correlation between the fluctuation of any one of these items and the observed fluctuations in coliform levels.

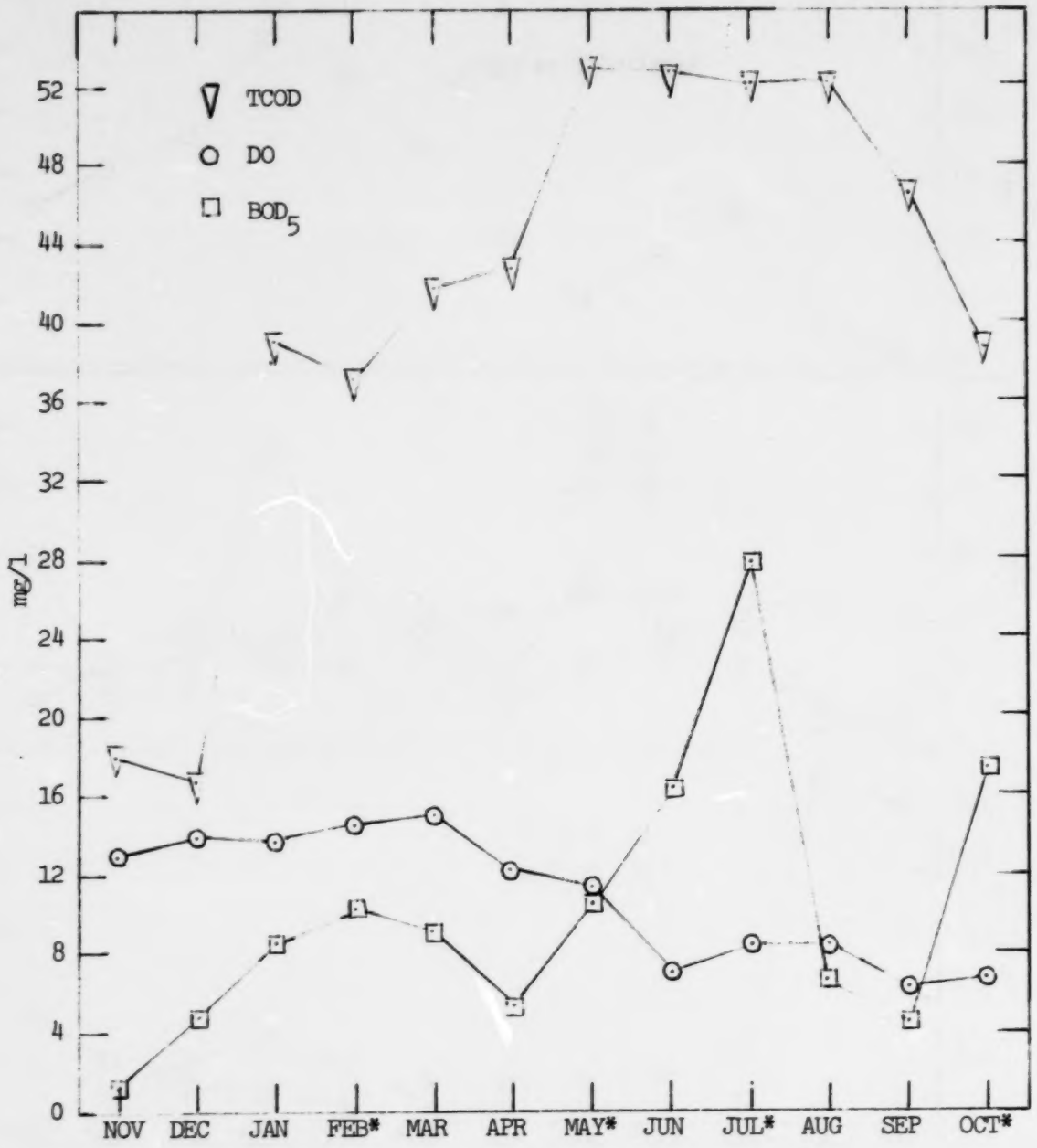
TABLE 4. EFFLUENT QUALITY OF THE WINDBER TREATMENT SYSTEM AND ITS COMPLIANCE WITH 1977 SECONDARY TREATMENT STANDARDS

STUDY PERIOD 75-76	RANGE								TOTAL BOD_5 AVERAGE			TOTAL SS AVERAGE			FECAL COLIFORM AVERAGE	
Month & Date	WW Temp (°C) Max.	WW Temp (°C) Min.	Total BOD_5 Max. mg/l	Total BOD_5 Min. mg/l	Total SS Max. mg/l	Total SS Min. mg/l	Fecal Coliform Maximum MPN/100ml	pH Max.	pH Min.	30 day Std. 30mg/l	7 day Std. 45mg/l	Percent Removed 85	30 day 30 mg/ml	7 day 45mg/ml	Percent Removed 85	30 day Std. 200/100ml	7 day Std. 400/100ml
11/6-12	15.0	12.2	2	<1	2	2	2	6.5	6.1		1	99		2	99		2.0
12/2-9	7.2	6.1	7	1	5	2	2	7.0	6.6		5	98		4	98		2.0
1/6-12	5.0	0.0	10	7	14	12	13	7.4	7.1		9	94		13	90		2.6
2/1-3/1	11.1	1.1	20	5	17	4	13	7.4	6.9	10		95	10		90	2.1	
3/10-16	8.0	7.8	12	5	19	13	17	8.1	7.8		9	95		2	87		6.6
4/6-12	12.8	9.4	8	<1	8	3	2	7.4	7.3		5	97		6	95		2.0
5/1-30	22.8	12.2	23	<1	27	2	2	8.0	7.4	10		95	13		92	2.0	
6/9-15	25.0	22.8	21	12	28	3	2	8.0	7.5		17	91		16	90		2.0
7/5-8/3	25.0	20.0	49	5	16	6	13	7.8	7.2	26		82	10		93	2.3	
8/16-22	22.2	20.6	13	<1	26	4	13	7.8	7.3		7	95		11	93		2.6
9/8-14	22.2	18.3	7	2	8	6	13	7.5	7.2		4	97		7	96		2.6
10/1-30	17.2	7.8	48	<1	11	0	13	7.6	7.2	17		84	4		97	2.3	



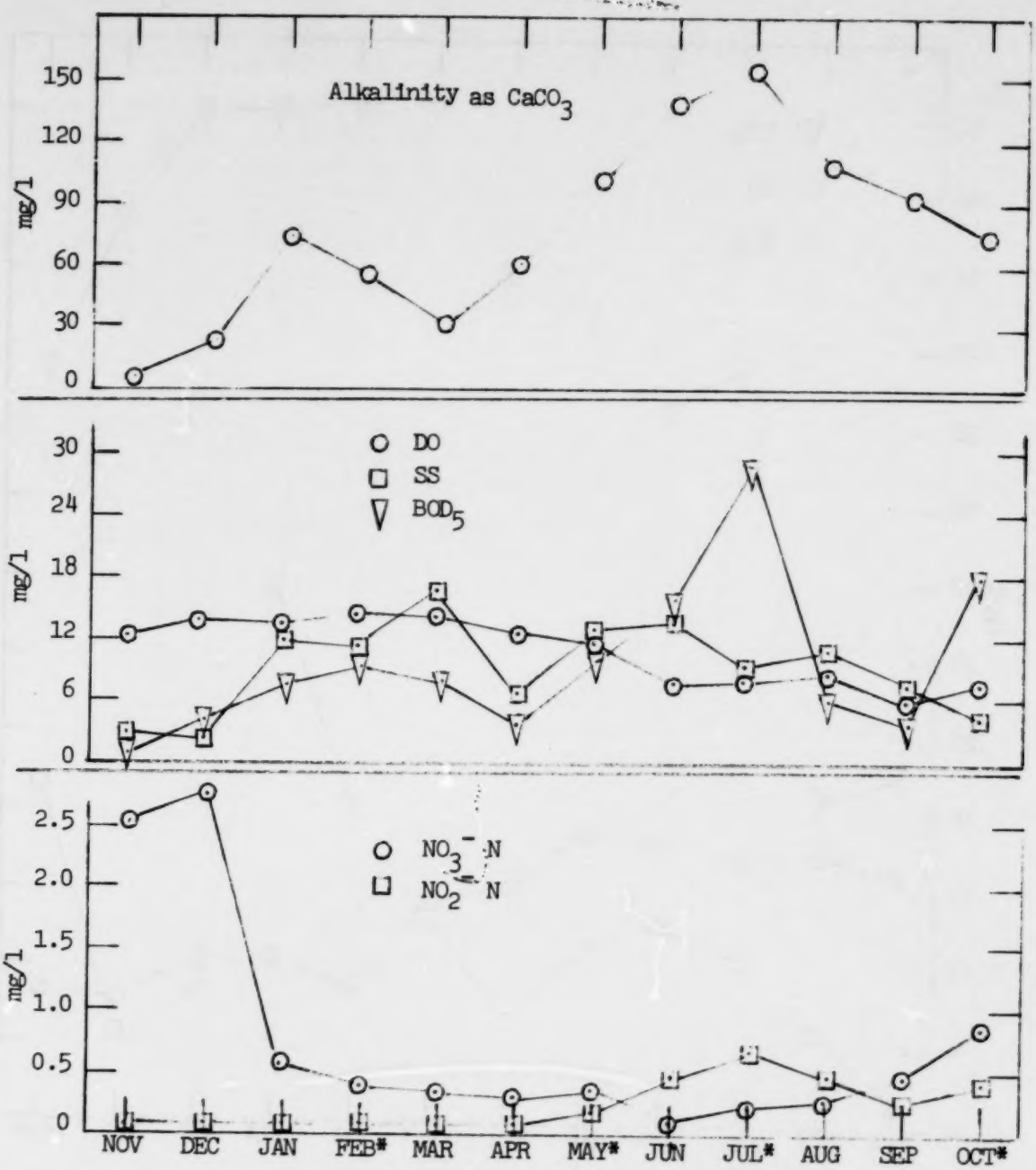
*Indicates 30 day sampling periods (others are 7 day).

Figure 9. Graphical analysis of Windber plant's ability to meet secondary standards



*Indicates 30 day sampling periods (others are 7 day).

Figure 10. Average effluent oxygen demand and dissolved oxygen



*Indicates 30 day sampling period (others are 7 day).

Figure 11. Effluent water quality as affected by the "solids upset" of cell #1

DISCUSSION OF THE OTHER PARAMETERS MONITORED THROUGHOUT THE YEAR

Flow Levels

During the period of analysis, malfunctioning of the Fisher-Porter flow meters was a frequent problem. As a result, it was necessary to have the plant operator, Mr. Ralph Glessner, estimate influent and effluent flows on numerous occasions. Because of the extensive run-off experienced due to melting snow during the months of January and February, the Windber plant encountered numerous overload periods (January 1, 2, 3, 4, 16, 26, 27, 28, 29, 30, 31, and February 1, 2, 3, 4, 5, 17, 18, 19, 20, 21, 22, 23) and so it was necessary for the operator to employ flow diversion of storm sewer discharge as permitted by the State Permit.

To accommodate the overflows due to extensive run-off, the Windber plant was given permission to divert storm sewer discharge at five point sources on the influent side of the plant, see Appendix E. Average influent and effluent flows of the Windber plant are recorded in Table 5.

TABLE 5. AVERAGE INFLUENT AND EFFLUENT FLOW LEVELS

Month	# Sampling Days	Average Highest Ambient Temp.	Average Influent Flow		Average Effluent Flow	
			m^3/d	mgd	m^3/d	mgd
Nov. 75	7	14.8	2650	.7	1514	.4
Dec. 75	7	7.8	3028	.8	2271	.6
Jan. 76	7	-.2	5678	1.5	2650	.7
Feb. 76	30	8.8	5678	1.5	2650	.7
Mar. 76	7	9.4	5299	1.4	2271	.6
Apr. 76	7	12.6	5678	1.5	2271	.6
May 76	30	21.8	4164	1.1	2650	.7
Jun. 76	7	32.1	3785	1.0	3407	.9
Jul. 76	30	29.4	5299	1.4	4542	1.2
Aug. 76	7	32.1	5678	1.5	3785	1.0
Sep. 76	7	27.8	4921	1.3	3407	.9
Oct. 76	30	14.6	5299	1.4	5678	1.5

Dissolved Oxygen

Figures 10 and 11 and Table 6 show the monthly effluent fluctuations encountered for DO throughout the study along with other effluent characteristics of the Windber treatment plant. For example, during the period of the "solids upset," it was observed that the oxidation of N to NO_3^- was incomplete and that high levels of COD, SS, and BOD_5 were reported. In fact, a DO minimum of 6.9 mg/l was observed during the June study period and appears to correlate well with the NO_3^- - N, NO_2^- - N ion reversal observed during the same period. (This phenomenon is discussed below.) These factors seem to agree with the observation that DO levels fell during the same period.

Alkalinity

Effluent alkalinity values are tabulated in Table 6 and also appear in Figure 11. As expected, the alkalinity values declined during the winter study period due to decreased biological activity. However, there was a marked increase in alkalinity during the period of the "solids upset."

Chemical Oxygen Demand

Effluent monthly averages appear in Table 6 and Figure 10. The maximum in COD correlates well with the period of "solids upset" previously cited. During the winter study period (January, February, and March), the percent COD removal was below 85 percent.

The only problem encountered with COD measurements resulted from the small differences between the total COD and soluble COD values encountered for Sites #3, #4, and #5. These differences are smaller than the precision offered by the method as performed by the student technicians, see Table 7, and so, at times greater readings were obtained for soluble COD than for total COD.

Occasionally the data, tabulated in Appendix A, shows a higher value for soluble COD than for total COD for Sites #3, #4, and #5. And since the difference between these COD values (total and soluble) is so small, the fact that only one sample was analyzed per site makes the precision for this technique an important factor.

The Nitrogen Species

Throughout the early part of this project, the NO_3^- - N ion concentration of the unchlorinated effluent, Site #4, was much higher than the corresponding NO_2^- - N ion concentration. However, on May 22, 1976, the NO_2^- - N ion level began to increase; and by the end of the month (May 30) the NO_3^- - N and NO_2^- - N ion concentration had become the same (0.17 mg/l). This trend continued during the month of June until the NO_2^- - N ion became the dominant species and the NO_3^- - N ion fell below 0.1 mg/l. This reversal in the NO_3^- - N and NO_2^- - N ion concentration levels continued until on July 19, 1976, the NO_3^- - N ion concentration began to increase and finally became the dominant species once again on July 26, 1976. This seems to imply that during the period of the reversal the nitrification steps lead

TABLE 6. EFFLUENT CHARACTERISTICS OF THE WINDBER TREATMENT SYSTEM

STUDY PERIOD 75-76																						
Month & Date	WW Temp. (°C) Range		Dissolved Oxygen mg/l			Alkalinity mg/l	Total COD mg/l			% Removed	Total P mg/l	Nitrogen Species Average mg/l				Algal x 10^3/l	Turbidity JTU			Chlorine Residual mg/l		
	Max.	Min.	Max.	Min.	Ave.	Average	Max.	Min.	Ave.		Average	TKN	NH_4^+	NO_2^-	NO_3^-	Average	Max.	Min.	Ave.	Max.	Min.	Ave.
11/6-12	15.0	12.2	13.9	12.7	13.2	5.3	30.9	13.1	18.1	93	.7	13.5	11.5	<.1	<2.6	17	-	-	-	.7	.3	.5
12/2-9	7.2	6.1	14.6	13.6	14.1	22.1	18.5	14.0	16.7	96	1.2	17.9	15.6	<.1	<2.6	0	5.0	5.0	5.0	.8	.4	.6
1/6-12	5.0	0.0	14.4	13.2	13.8	78.8	44.2	34.7	39.4	81	1.4	21.4	22.2	<.1	< .5	420	19.1	15.2	17.4	.8	.4	.6
2/1-3/1	11.1	1.1	15.0	13.1	14.6	56.8	48.9	27.4	37.3	81	.6	18.9	18.3	<.1	< .3	232	30.9	14.0	21.4	.8	.4	.6
3/10-16	8.0	7.8	15.0	15.0	15.0	32.7	48.0	38.1	42.0	80	.2	13.9	13.8	<.1	< .3	1494	35.2	23.1	27.8	.6	.4	.5
4/6-12	12.8	9.4	12.5	11.4	12.1	59.6	51.5	39.5	43.1	84	.4	16.7	16.9	<.1	< .2	159	19.8	8.8	16.6	.6	.4	.5
5/1-30	22.8	12.2	13.4	7.5	11.4	103.8	73.1	33.5	53.0	88	1.2	23.9	27.1	<.1	< .3	931	28.9	5.9	24.2	.9	.3	.5
6/9-15	25.0	22.8	8.4	5.0	6.9	134.3	66.6	39.7	52.7	88	3.8	31.6	29.4	<.5	< .1	23	36.7	11.9	18.6	.6	.2	.5
7/5-8/3	25.0	20.0	10.4	6.9	8.6	153.1	71.0	41.8	52.3	85	4.4	31.6	33.4	<.7	< .2	3	26.7	12.9	17.3	.8	.2	.5
8/16-22	22.2	20.6	9.7	6.5	8.5	107.6	58.1	46.9	53.9	92	3.1	27.0	26.6	<.5	< .2	50	20.9	7.9	15.5	1.0	.2	.4
9/8-14	22.2	18.3	7.2	6.8	6.3	93.1	50.5	40.0	46.5	96	2.6	33.3	24.3	<.5	< .4	1	17.9	8.6	13.2	1.0	.1	.7
10/1-30	17.2	7.8	8.7	5.0	7.0	72.9	90.1	19.4	38.8	93	1.3	22.4	25.5	<.4	< .8	653	19.3	2.0	8.2	1.0	.3	.6

TABLE 7. PRECISION STUDY OF SOLUBLE COD VALUES VS. TOTAL COD AT SITE #3

Run #	December 6 Student 1	December 6 Student 2
1	20.4 ppm	25.4 ppm
2	25.0 ppm	23.3 ppm
3	25.8 ppm	20.0 ppm
4	25.6 ppm	22.0 ppm
5	26.5 ppm	22.0 ppm
Average COD	24.6 ± 1.5 ppm	22.5 ± 1.4 ppm
Range	6.1 ppm	5.4 ppm

to a less oxidized form of nitrogen. This correlates well with the observation that the minimum DO value was observed for the same period (see Figure 11). This phenomenon also seems to be directly related to the "solids upset" of Cell #1 previously cited. During the summer months, the TKN and ammonia nitrogen values were observed to be approximately twice those recorded during the winter study period, see Table 3.

Algae

A visible algal bloom was never seen during the sampling period. All genera observed were among the top 41 in the list of the 60 most pollution-tolerant genera compiled by Palmer.[6] During the colder months, large numbers of extremely small flagellates and blue-greens were observed. The blue-greens appeared to be an extremely small species of Oscillatoria. These Cyanophytes were present at all sites but were in greater numbers at Site #2. The Euglenoids were also present at all sampling stations but were less common at Site #5. Both of these observations are consistent with Palmer ratings of Euglena and Oscillatoria being number one and two on his list of the 60 most tolerant genera. Chlorella, number five on the list, Ankistrodesmus, number ten, and Ulothrix, number thirty, made up the bulk of the Chlorophyta genera. Again these genera were seen at all sites, but numbers generally increased at Site #5.

Analysis of Cell Treatment

The extent to which individual cells in the Windber lagoon system contributed to the wastewater treatment is depicted in Table 8. Included in the table are only those parameters which were monitored in all three cells. It is believed that these monthly averages might provide sufficient data upon which to determine how many cells are necessary to obtain a desired effluent quality.

TABLE 8. MONTHLY AVERAGED DATA SHOWING TREATMENT BY THE WINDBER LAGOON PLANT

Month	# of Sampling Days	Sampling Location	Average Flow m^3/d	Average Flow MGD	% Design Flow	Water Temp °C	pH	Total BOD mg/l	% Remaining	TSS mg/l	% Remaining
Nov.	7	Influent	2650	0.7	35.0	15.9	6.7	177		186	
1975		Cell 1, Site 2				19.2	7.2	19	10.9	19	10.1
		Cell 2, Site 3				14.6	6.9	8	4.5	2	1.1
		Cell 3, Site 4				14.0	6.8	7	3.9	2	1.0
		Cell 3, Site 5	1514	0.4		14.0	6.3	1	1.0	2	1.0
Dec.	7	Influent	3028	0.8	40.0	12.8	6.9	203		178	
1975		Cell 1, Site 2				14.1	7.1	43	21.4	21	11.5
		Cell 2, Site 3				8.4	7.1	13	6.6	4	2.0
		Cell 3, Site 4				7.5	7.0	14	7.1	3	1.7
		Cell 3, Site 5	2271	0.6		6.8	6.9	5	2.0	4	2.0
Jan.	7	Influent	5678	1.5	75.0	9.0	6.4	152		128	
1976		Cell 1, Site 2				12.3	6.9	30	20.0	38	29.9
		Cell 2, Site 3				3.7	7.3	21	14.0	13	10.1
		Cell 3, Site 4				2.2	7.3	21	13.6	12	9.2
		Cell 3, Site 5	2650	0.7		2.3	7.2	9	6.0	13	10.0
Feb.	30	Influent	5678	1.5	75.0	9.9	6.2	220		107	
1976		Cell 1, Site 2				12.5	6.6	68	31.0	32	30.1
		Cell 2, Site 3				5.6	7.1	41	18.7	12	10.9
		Cell 3, Site 4				5.1	7.2	41	18.7	10	9.6
		Cell 3, Site 5	2650	0.7		5.3	7.1	10	5.0	10	10.0
Mar.	7	Influent	5299	1.4	70.0	10.5	6.6	181		124	
1976		Cell 1, Site 2				12.4	6.8	32	17.9	23	18.6
		Cell 2, Site 3				9.6	8.6	20	11.2	22	17.8
		Cell 3, Site 4				8.3	8.6	23	12.9	20	16.1
		Cell 3, Site 5	2271	0.6		8.2	7.9	9	5.0	16	13.0
Apr.	7	Influent	5678	1.5	75.0	11.9	6.8	155		128	
1976		Cell 1, Site 2				14.3	6.9	46	29.7	52	40.9
		Cell 2, Site 3				12.1	7.3	18	11.6	12	9.1
		Cell 3, Site 4				11.3	7.4	15	9.6	10	8.1
		Cell 3, Site 5	2271	0.6		11.4	7.3	5	3.0	6	5.0

(Continued)

TABLE 8. (Continued)

Month	# of Sampling Days	Sampling Location	Average Flow m^3/d	Average Flow MGD	% Design Flow	Water Temp °C	pH	Total BOD mg/l	% Remaining	TSS mg/l	% Remaining
May 1976	30	Influent	4164	1.1	55.0	15.3	6.8	202		166	
		Cell 1, Site 2				20.2	7.0	68	33.5	104	62.4
		Cell 2, Site 3				17.1	7.8	29	14.2	16	9.8
		Cell 3, Site 4				16.7	7.9	27	13.4	16	9.5
		Cell 3, Site 5	2650	0.7		16.6	7.7	10	5.0	13	8.0
Jun. 1976	7	Influent	3185	1.0	50.0	19.3	6.8	182		158	
		Cell 1, Site 2				26.0	7.2	69	38.0	123	77.7
		Cell 2, Site 3				24.0	7.7	38	21.1	19	12.0
		Cell 3, Site 4				23.7	7.7	41	22.3	18	11.4
		Cell 3, Site 5	3407	0.9		23.7	7.7	17	9.0	16	10.0
Jul. 1976	30	Influent	5299	1.4	70.0	20.0	6.6	145		149	
		Cell 1, Site 2				25.0	7.1	64	44.4	52	34.6
		Cell 2, Site 3				23.3	7.7	35	24.3	11	7.2
		Cell 3, Site 4				23.2	7.8	35	24.2	10	6.7
		Cell 3, Site 5	4542	1.2		23.0	7.6	26	18.0	10	7.0
Aug. 1976	7	Influent	5678	1.5	75.0	18.4	6.6	133		170	
		Cell 1, Site 2				23.1	6.9	33	24.6	61	35.7
		Cell 2, Site 3				22.1	7.7	15	11.1	12	7.3
		Cell 3, Site 4				21.4	7.8	11	8.5	12	7.1
		Cell 3, Site 5	3785	1.0		21.2	7.6	7	5.0	11	7.0
Sep. 1976	7	Influent	4921	1.3	65.0	18.3	6.7	173		177	
		Cell 1, Site 2				22.3	6.9	39	22.5	88	49.9
		Cell 2, Site 3				20.2	7.4	10	5.6	9	4.9
		Cell 3, Site 4				20.2	7.5	8	4.6	8	4.7
		Cell 3, Site 5	3407	0.9		20.2	7.3	4	3.0	7	4.0
Oct. 1976	30	Influent	5299	1.4	70.0	14.9	5.6	106		151	
		Cell 1, Site 2				17.2	6.6	45	42.4	26	17.4
		Cell 2, Site 3				14.0	7.0	28	26.7	5	3.4
		Cell 3, Site 4				13.0	7.0	30	28.0	4	2.8
		Cell 3, Site 5	5678	1.5		12.9	6.9	17	16.0	4	3.0

(Continued)

TABLE 8. (Continued)

Month	# of Sampling Days	Sampling Location	VSS mg/l	% Remaining	Algal Cells x 10^3/l	DO mg/l	Alkalinity $CaCO_3$ mg/l	Total COD mg/l	% Remaining
Nov.	7	Influent	126			8.6	44.8	267.4	
1975		Cell 1, Site 2	12	9.4	5	5.8	56.1	36.6	13.7
		Cell 2, Site 3	2	1.6	56	13.4	11.6	21.9	8.2
		Cell 3, Site 4	2	1.6	25	13.2	10.7	21.0	7.8
		Cell 3, Site 5	2	2.0	17	13.2	5.3	18.1	7.0
Dec.	7	Influent	125			7.2	81.1	376.4	
1975		Cell 1, Site 2	13	10.6	0	5.2	79.1	48.4	12.9
		Cell 2, Site 3	3	2.1	1	14.4	27.4	20.2	5.4
		Cell 3, Site 4	2	1.9	0	14.4	24.5	16.8	4.5
		Cell 3, Site 5	2	2.0	0	14.1	22.1	16.7	4.0
Jan.	7	Influent	89			11.2	40.6	211.1	
1976		Cell 1, Site 2	28	31.8	803	5.5	66.8	56.9	27.0
		Cell 2, Site 3	9	10.6	989	14.0	78.7	41.7	19.8
		Cell 3, Site 4	9	10.1	1930	14.3	80.4	40.1	19.0
		Cell 3, Site 5	9	10.0	420	13.8	78.8	39.4	19.0
Feb.	30	Influent	65			13.2	21.8	192.5	
1976		Cell 1, Site 2	22	34.6	772	5.2	35.6	51.7	26.9
		Cell 2, Site 3	9	14.1	381	14.6	59.8	39.3	20.4
		Cell 3, Site 4	8	12.7	314	14.5	59.4	37.3	19.4
		Cell 3, Site 5	8	12.0	232	14.6	56.8	37.3	19.0
Mar.	7	Influent	83			13.6	36.3	207.7	
1976		Cell 1, Site 2	16	19.6	597	6.8	45.9	57.9	27.9
		Cell 2, Site 3	20	23.6	885	15.0	35.7	48.5	23.4
		Cell 3, Site 4	18	21.7	1055	15.0	38.7	46.3	22.2
		Cell 3, Site 5	15	18.0	1494	15.0	32.7	42.0	20.0
Apr.	7	Influent	95			11.2	60.3	269.8	
1976		Cell 1, Site 2	37	38.7	1611	4.2	69.7	95.2	35.3
		Cell 2, Site 3	10	10.7	211	12.3	62.2	56.6	[illegible]0
		Cell 3, Site 4	9	9.6	91	12.2	64.1	[illegible]6.9	[illegible].4
		Cell 3, Site 5	6	6.0	159	12.1	59.6	43.1	16.0

(Continued)

TABLE 8. (Continued)

Month	# of Sampling Days	Sampling Location	VSS mg/l	% Remaining	Algal Cells x 10^3/l	DO mg/l	Alkalinity $CaCO_3$ mg/l	Total COD mg/l	% Remaining
May	30	Influent	129			7.3	111.0	434.6	
1976		Cell 1, Site 2	72	56.0	4	3.2	130.7	206.6	47.5
		Cell 2, Site 3	14	11.0	962	11.9	110.0	55.5	12.8
		Cell 3, Site 4	14	10.5	901	12.1	109.2	53.2	12.2
		Cell 3, Site 5	11	9.0	931	11.4	103.8	50.6	12.0
Jun.	7	Influent	125			6.5	118.7	431.0	
1976		Cell 1, Site 2	81	64.7	1	2.4	178.7	190.1	44.1
		Cell 2, Site 3	15	12.1	38	6.8	139.2	58.1	13.5
		Cell 3, Site 4	15	12.3	17	6.8	139.2	53.0	12.3
		Cell 3, Site 5	14	11.0	23	6.9	134.3	52.7	12.0
Jul.	30	Influent	96			8.4	83.7	355.6	
1976		Cell 1, Site 2	31	32.3	1	2.9	125.7	137.4	38.6
		Cell 2, Site 3	10	9.9	20	8.4	159.6	55.2	15.5
		Cell 3, Site 4	9	8.9	17	8.2	160.6	53.4	15.0
		Cell 3, Site 5	9	9.0	3	8.6	153.1	52.3	15.0
Aug.	7	Influent	118			8.3	69.5	679.5	
1976		Cell 1, Site 2	41	35.2	3	2.2	82.6	87.8	12.9
		Cell 2, Site 3	9	8.0	8	8.5	109.8	43.6	6.4
		Cell 3, Site 4	10	8.2	28	8.1	113.7	51.9	7.6
		Cell 3, Site 5	9	8.0	50	8.5	107.6	53.9	8.0
Sep.	7	Influent	125			6.2	102.7	1061.8	
1976		Cell 1, Site 2	73	58.3	4	2.4	89.3	130.9	12.3
		Cell 2, Site 3	8	6.4	0	5.9	94.5	50.0	4.7
		Cell 3, Site 4	8	6.1	1	5.7	94.2	43.2	4.1
		Cell 3, Site 5	7	6.0	1	6.3	93.1	46.5	4.0
Oct.	30	Influent	102			9.5	22.8	537.0	
1976		Cell 1, Site 2	21	20.6	5	6.0	49.3	145.6	27.1
		Cell 2, Site 3	5	4.5	1	6.5	73.2	41.3	7.7
		Cell 3, Site 4	4	3.5	1	6.1	76.6	39.9	7.4
		Cell 3, Site 5	4	4.0	653	7.0	72.9	38.8	7.0

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5. Boulier, G. A. and Atchison, T. J. Practical Design and Application of the Aerated-Facultative Lagoon Process, 2nd Edition. Hinde Engineering Company, Highland Park, Illinois, 1975.

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APPENDICES

The analyses listed in Appendices A, B, and C have the following units:

Air temperature and wastewater temperature = ^{o}C

Rain and snow = cm

WW flow = mgd 1 mgd = $3785 m^3/d$

pH = pH units

Dissolved oxygen = mg/l

Alkalinity as $CaCO_3$ = mg/l

Total BOD_5 and soluble BOD_5 = mg/l

Total and volatile suspended solids = mg/l

Total and soluble COD = mg/l

Total phosphorus = mg/l

TKN - NH_4^+-N — NO_2^--N — NO_3^--N = mg/l

Algae cell count = count/l

Fecal coliform = MPN/100ml

Turbidity = JTU (Jackson Turbidity Units)

Chlorine residual = mg/l

DATE 11 7 75

HIGH TEMP 19.4 LOW TEMP 8.9 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.15				0.10
W W FLOW PEAK	0.50				0.45
W W TEMP	17.20	20.60	17.20	15.00	15.00
PH	6.70	7.30	7.10	7.00	6.50
DIS. OXYGEN	5.40	4.80	14.00	14.00	13.90
ALKALINITY	46.90	52.00	10.80	10.60	5.30
TOTAL BOD5	174.00	30.00	22.00	12.00	0.60
SOLUBLE BOD5	144.00	30.00	12.00	11.00	1.00
TOT SUSP SOLIDS	257.00	26.00	2.00	2.00	2.00
VOL SUSP SOLIDS	169.00	16.00	2.00	2.00	2.00
TOTAL COD	178.20	50.00	48.70	47.12	30.90
SOLUBLE COD	72.50	26.10	63.40	50.30	54.20
TOTL PHOSPHORUS	4.60			0.40	0.65
TKN	17.20			10.80	8.30
NH4+ - N	21.50			13.00	12.00
NO2- - N				0.10	
NO3- - N				2.40	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				8.00	2.00
TURBIDITY	*******	*******	*******	*******	*******
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 100 SOL BOD 99 TOT SUSP SOL 99
TOT COD 83 SOL COD 25

DATE 11 8 75

HIGH TEMP 18.9 LOW TEMP 10.0 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.08				0.05
W W FLOW PEAK	0.40				0.35
W W TEMP	17.20	21.10	16.10	15.00	15.00
PH	6.70	7.20	7.00	6.90	6.50
DIS. OXYGEN	10.90	6.20	13.50	12.90	13.20
ALKALINITY	38.80	55.00	12.80	10.50	8.70
TOTAL BOD5	138.00	8.00	2.00	2.00	0.60
SOLUBLE BOD5	12.00	2.00	2.00	0.60	0.00
TOT SUSP SOLIDS	273.00	28.00	2.00	2.00	2.00
VOL SUSP SOLIDS	190.00	18.00	2.00	2.00	2.00
TOTAL COD	305.50	39.63	22.29	21.05	20.23
SOLUBLE COD	56.60	32.20	18.99	18.16	21.05
TOTL PHUSPHORUS	6.31			0.10	0.10
TKN	23.80			13.30	14.50
NH4+ - N	19.00			10.00	9.60
NO2- - N				0.10	
NO3- - N				2.65	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				2.00	2.00
TURBIDITY	*******	*******	*******	*******	*******
CHLORINE RESID.					0.30

% REMOVAL TOT BOD 100 SOL BOD 100 TOT SUSP SOL 99
TOT COD 93 SOL COD 63

DATE 11 9 75

HIGH TEMP 20.0 LOW TEMP 10.0 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.05				0.02
W W FLOW PEAK	0.35				0.30
W W TEMP	16.10	18.90	15.00	13.90	13.90
PH	6.60	7.10	6.80	6.80	6.20
DIS. OXYGEN	11.10	6.60	13.30	13.20	13.20
ALKALINITY	57.70	57.30	11.60	11.20	4.80
TOTAL BOD5	162.00	13.00	3.00	2.00	1.00
SOLUBLE BOD5	30.00	6.00	1.00	2.00	0.60
TOT SUSP SOLIDS	213.00	21.00	2.00	2.00	2.00
VOL SUSP SOLIDS	131.00	12.00	2.00	2.00	2.00
TOTAL COD	263.20	31.01	16.32	13.87	13.46
SOLUBLE COD	55.90	28.56	20.40	14.28	17.54
TOTL PHOSPHORUS	6.80			1.20	1.26
TKN	23.90			14.70	15.30
NH4+ - N	25.00			12.00	12.50
NO2- - N				0.12	
NO3- - N				2.67	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				2.00	2.00
TURBIDITY	*******	*******	*******	*******	*******
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 99 SOL BOD 98 TOT SUSP SOL 99
TOT COD 95 SOL COD 69

DATE 11 10 75

HIGH TEMP 16.1 LOW TEMP 11.1 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.20				0.15
W W FLOW PEAK	0.80				0.55
W W TEMP	17.80	21.10	15.60	15.00	15.00
PH	6.60	7.30	6.90	6.90	6.20
DIS. OXYGEN	9.00	5.60	13.00	13.00	13.00
ALKALINITY	42.80	57.10	11.50	11.20	3.06
TOTAL BOD5	180.00	17.00	2.00	4.00	0.00
SOLUBLE BOD5	63.00	10.00	2.00	2.00	0.00
TOT SUSP SOLIDS	62.00	7.00	2.00	1.00	2.00
VOL SUSP SOLIDS	*******	*******	2.00	2.00	2.00
TOTAL COD	295.60	36.24	18.60	16.21	14.30
SOLUBLE COD	66.30	38.62	19.07	17.64	20.50
TOTL PHOSPHORUS	0.79			0.90	1.10
TKN	31.20			16.70	14.80
NH4+ - N	26.00			12.80	11.80
NO2- - N				0.12	
NO3- - N				2.69	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				2.00	2.00
TURBIDITY	*******	*******	*******	*******	*******
CHLORINE RESID.					0.70

% REMOVAL TOT BOD 100 SOL BOD 100 TOT SUSP SOL 97
TOT COD 95 SOL COD 69

DATE 11 11 75

HIGH TEMP 15.6 LOW TEMP 4.4 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.20				0.15
W W FLOW PEAK	0.50				0.45
W W TEMP	17.20	17.20	14.40	13.90	13.90
PH	6.70	7.30	6.90	6.90	6.50
DIS. OXYGEN	4.40	6.50	13.40	13.10	12.80
ALKALINITY	51.00	58.30	10.60	10.60	6.10
TOTAL BOD5	180.00	24.00	7.00	8.00	2.00
SOLUBLE BOD5	42.00	15.00	6.00	5.00	1.00
TOT SUSP SOLIDS	170.00	16.00	2.00	2.00	2.00
VOL SUSP SOLIDS	97.00	10.00	2.00	2.00	2.00
TOTAL COD	276.60	35.40	16.20	21.20	16.60
SOLUBLE COD	58.20	35.80	20.40	25.00	28.70
TOTL PHOSPHORUS	7.40			0.62	0.79
TKN	26.20			13.70	13.20
NH4+ - N	20.00			12.40	11.90
NO2- - N				0.10	
NO3- - N				*******	
ALGAE CELL CNT		4.70	56.00	24.60	17.10
FECAL COLIFORM				2.00	2.00
TURBIDITY	*******	*******	*******	*******	*******
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 99 SOL BOD 98 TOT SUSP SOL 99
TOT COD 94 SOL COD 51

DATE 11 12 75

HIGH TEMP 7.8 LOW TEMP 3.3 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.60				0.49
W W FLOW PEAK	2.70				0.60
W W TEMP	13.30	17.80	12.80	12.80	12.80
PH	6.70	7.20	6.90	6.80	6.30
DIS. OXYGEN	7.90	5.60	13.40	13.40	13.30
ALKALINITY	52.80	62.20	12.90	10.40	4.50
TOTAL BODS	114.00	11.00	6.00	3.00	1.00
SOLUBLE BODS	57.00	12.00	5.00	4.00	0.00
TOT SUSP SOLIDS	229.00	24.00	3.00	2.00	2.00
VOL SUSP SOLIDS	124.00	11.00	2.00	2.00	2.00
TOTAL COD	312.00	29.95	14.14	12.90	17.89
SOLUBLE COD	64.90	34.10	17.50	20.00	17.06
TOTL PHOSPHORUS	6.95			0.78	0.80
TKN	23.50			12.70	14.20
NH4+ - N	22.20			12.70	13.20
NO2- - N				0.10	
NO3- - N				2.50	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				2.00	2.00
TURBIDITY	*******	*******	*******	*******	*******
CHLORINE RESID.					0.40

% REMOVAL TOT BOD 99 SOL BOD 100 TOT SUSP SOL 99
TOT COD 94 SOL COD 74

DATE 11.13 75

HIGH TEMP 5.6 LOW TEMP 3.3 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.20				0.55
W W FLOW PEAK	1.60				0.60
W W TEMP	12.80	17.80	11.10	12.20	12.20
PH	6.70	7.10	6.80	6.60	6.10
DIS. OXYGEN	11.80	5.00	13.00	12.80	12.70
ALKALINITY	23.70	51.00	11.20	10.20	4.90
TOTAL BOD5	288.00	32.00	14.00	17.00	2.00
SOLUBLE BOD5	168.00	29.00	17.00	30.00	4.00
TOT SUSP SOLIDS	95.00	9.00	2.00	2.00	2.00
VOL SUSP SOLIDS	44.00	4.00	2.00	2.00	2.00
TOTAL COD	240.70	33.90	17.10	14.70	13.10
SOLUBLE COD	29.40	33.90	15.50	16.30	19.20
TOTL PHOSPHORUS	1.62			0.10	0.10
TKN	7.60			19.10	14.30
NH4+ - N	9.15			11.40	9.60
NO2- - N				0.10	
NO3- - N				2.60	
ALGAF CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				2.00	2.00
TURBIDITY	*******	*******	*******	*******	*******
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 99 SOL BOD 98 TOT SUSP SOL 98
TOT COD 95 SOL COD 35

DATE 12 2 75

HIGH TEMP 8.3 LOW TEMP -5.5 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.50				0.59
W W FLOW PEAK	1.00				0.60
W W TEMP	12.80	15.00	7.20	7.20	7.20
PH	6.90	7.10	7.00	7.00	7.00
DIS. OXYGEN	5.40	5.10	14.20	13.80	14.00
ALKALINITY	83.60	80.40	23.90	21.40	20.60
TOTAL BOD5	180.00	25.00	8.00	7.00	6.00
SOLUBLE BOD5	63.00	18.00	6.00	6.00	5.00
TOT SUSP SOLIDS	219.00	23.00	2.00	1.00	2.00
VOL SUSP SOLIDS	155.00	14.00	3.00	2.00	3.00
TOTAL COD	441.20	54.70	24.10	14.60	18.50
SOLUBLE COD	93.80	39.20	20.20	27.40	19.20
TOTL PHOSPHORUS	7.88			0.70	0.82
TKN	34.50			34.80	22.70
NH4+ - N	110.00			20.10	15.70
NO2- - N				0.10	
NO3- - N				3.30	
ALGAE CELL CNT		0.06	0.94	0.25	0.03
FECAL COLIFORM				1600.00	2.00
TURBIDITY	300.00	49.00	25.00	10.00	5.00
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 97 SOL BOD 92 TOT SUSP SOL 99
TOT COD 96 SOL COD 80

DATE 12 3 75

HIGH TEMP 2.2 LOW TEMP -2.1 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.50				0.58
W W FLOW PEAK	1.00				0.65
W W TEMP	12.80	15.00	6.10	6.70	7.20
PH	6.90	7.10	7.10	7.10	6.90
DIS. OXYGEN	5.70	4.40	14.40	14.50	13.60
ALKALINITY	78.50	73.60	23.30	18.60	17.80
TOTAL BOD5	228.00	7.00	8.00	11.00	4.00
SOLUBLE BOD5	42.00	8.00	4.00	6.00	0.60
TOT SUSP SOLIDS	169.00	21.00	3.00	2.00	2.00
VOL SUSP SOLIDS	118.00	16.00	3.00	2.00	1.00
TOTAL COD	340.60	47.90	16.50	18.20	14.00
SOLUBLE COD	82.60	41.30	22.30	17.80	18.20
TOTL PHOSPHORUS	7.43			1.35	1.80
TKN	28.00			20.10	20.40
NH4+ - N	28.70			14.70	16.60
NO2- - N				0.10	
NO3- - N				2.86	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				540.00	2.00
TURBIDITY	250.00	53.00	25.00	10.00	5.00
CHLORINE RESID.					0.40

% REMOVAL TOT BOD 98 SOL BOD 99 TOT SUSP SOL 99
TOT COD 96 SOL COD 78

DATE 12 4 75

HIGH TEMP 8.9 LOW TEMP -6.6 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.48				0.58
W W FLOW PEAK	0.99				0.65
W W TEMP	13.90	13.90	7.20	7.20	7.20
PH	7.00	7.20	7.10	7.10	6.90
DIS. OXYGEN	5.80	4.70	14.60	14.30	13.80
ALKALINITY	79.80	67.30	21.60	20.20	14.90
TOTAL BOD5	198.00	38.00	10.00	13.00	5.00
SOLUBLE BOD5	57.00	20.00	12.00	11.00	4.00
TOT SUSP SOLIDS	199.00	21.00	4.00	4.00	3.00
VOL SUSP SOLIDS	144.00	13.00	1.00	2.00	1.00
TOTAL COD	440.00	48.50	15.80	18.20	17.80
SOLUBLE COD	110.40	36.40	21.00	16.20	15.80
TOTL PHOSPHORUS	7.63			0.78	0.78
TKN	29.60			14.90	14.90
NH4+ - N	19.50			16.40	13.90
NO2- - N				0.10	
NO3- - N				2.23	
ALGAE CELL CNT		0.13	0.78	0.48	0.21
FECAL COLIFORM				920.00	2.00
TURBIDITY	270.00	52.00	25.00	10.00	5.00
CHLORINE RESID.					0.80

% REMOVAL TOT BOD 97 SOL BOD 93 TOT SUSP SOL 98
TOT COD 96 SOL COD 86

DATE 12 5 75

HIGH TEMP 15.6 LOW TEMP -5.5 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.40				0.57
W W FLOW PEAK	1.00				0.67
W W TEMP	13.30	13.30	14.40	11.10	6.70
PH	7.00	7.00	7.10	6.80	6.90
DIS. OXYGEN	4.00	6.20	14.20	14.00	14.00
ALKALINITY	87.70	85.70	28.20	22.40	23.30
TOTAL BOD5	126.00	44.00	12.00	12.00	1.00
SOLUBLE BOD5	79.00	64.00	11.00	11.00	1.00
TOT SUSP SOLIDS	185.00	24.00	5.00	5.00	4.00
VOL SUSP SOLIDS	133.00	16.00	4.00	5.00	3.00
TOTAL COD	344.70	47.50	*******	14.00	16.50
SOLUBLE COD	89.40	38.40	16.90	19.00	16.50
TOTL PHOSPHORUS	7.15			0.76	0.79
TKN	28.00			14.00	14.00
NH4+ - N	28.60			15.90	15.30
NO2- - N				0.10	
NO3- - N				2.52	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				540.00	2.00
TURBIDITY	263.00	56.00	25.00	10.00	5.00
CHLORINE RESID.					0.70

% REMOVAL TOT BOD 99 SOL BOD 99 TOT SUSP SOL 98
TOT COD 95 SOL COD 82

DATE 12 6 75

HIGH TEMP 10.0 LOW TEMP -1.0 RAIN 0.03 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.35				0.58
W W FLOW PEAK	1.60				0.60
W W TEMP	12.80	13.90	7.80	7.20	6.10
PH	6.90	7.10	7.10	7.10	6.90
DIS. OXYGEN	9.40	3.80	14.50	15.00	14.60
ALKALINITY	83.40	85.70	30.80	28.20	24.70
TOTAL BOD5	204.00	61.00	19.00	16.00	4.00
SOLUBLE BOD5	69.00	58.00	17.00	19.00	2.00
TOT SUSP SOLIDS	168.00	18.00	3.00	2.00	4.00
VOL SUSP SOLIDS	120.00	12.00	2.00	1.00	2.00
TOTAL COD	314.00	52.40	20.00	15.80	14.10
SOLUBLE COD	95.70	49.50	24.70	15.80	12.90
TOTL PHOSPHORUS	7.18			1.23	1.41
TKN	29.80			19.20	20.50
NH4+ - N	23.30			16.40	14.60
NO2- - N				0.10	
NO3- - N				2.73	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				220.00	2.00
TURBIDITY	220.00	48.00	25.00	10.00	5.00
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 98 SOL BOD 97 TOT SUSP SOL 98
TOT COD 96 SOL COD 87

DATE 12 7 75

HIGH TEMP 7.2 LOW TEMP -2.1 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.35				0.52
W W FLOW PEAK	0.85				0.61
W W TEMP	12.80	12.80	7.20	7.20	7.20
PH	6.80	7.10	7.00	7.10	7.00
DIS. OXYGEN	10.20	7.80	14.80	14.50	14.20
ALKALINITY	71.80	80.60	30.40	29.20	27.90
TOTAL BOD5	258.00	82.00	25.00	33.00	7.00
SOLUBLE BOD5	126.00	84.00	16.00	31.00	6.00
TOT SUSP SOLIDS	169.00	19.00	4.00	5.00	5.00
VOL SUSP SOLIDS	110.00	10.00	3.00	3.00	3.00
TOTAL COD	301.60	45.70	17.50	17.10	17.90
SOLUBLE COD	123.40	23.30	22.90	22.50	18.70
TOTL PHOSPHORUS	4.90			1.70	2.08
TKN	28.80			17.30	17.10
NH4+ - N	23.30			16.10	16.50
NO2- - N				0.10	
NO3- - N				2.56	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				2400.00	2.00
TURBIDITY	270.00	42.00	25.00	10.00	5.00
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 97 SOL BOD 95 TOT SUSP SOL 97
TOT COD 94 SOL COD 85

DATE 12 8 75

HIGH TEMP 2.2 LOW TEMP -6.6 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.40				0.59
W W FLOW PEAK	0.99				0.60
W W TEMP	11.10	15.00	8.90	6.10	6.10
PH	6.90	7.20	7.20	7.10	6.60
DIS. OXYGEN	9.60	4.10	14.30	14.60	14.40
ALKALINITY	83.20	80.20	33.50	31.60	25.30
TOTAL BOD5	228.00	47.00	12.00	9.00	5.00
SOLUBLE BOD5	96.00	43.00	4.00	2.00	4.00
TOT SUSP SOLIDS	140.00	18.00	4.00	2.00	5.00
VOL SUSP SOLIDS	95.00	12.00	2.00	2.00	3.00
TOTAL COD	453.00	42.00	27.00	19.60	17.90
SOLUBLE COD	84.60	23.70	20.40	18.70	13.30
TOTL PHOSPHORUS	5.30			0.35	0.35
TKN	27.80			16.20	15.70
NH4+ - N	27.30			16.70	16.40
NO2- - N				0.13	
NO3- - N				2.20	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				240.00	2.00
TURBIDITY	220.00	33.00	25.00	10.00	5.00
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 98 SOL BOD 96 TOT SUSP SOL 96
TOT COD 96 SOL COD 84

DATE 1 6 76

HIGH TEMP 5.6 LOW TEMP=16.6 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.20				0.65
W W FLOW PEAK	2.30				0.77
W W TEMP	7.80	12.20	2.20	2.20	2.20
PH	4.50	6.90	7.50	7.30	7.10
DIS. OXYGEN	11.80	7.10	13.70	13.90	13.60
ALKALINITY	-2.40	71.70	74.70	77.50	75.10
TOTAL BOD5	138.00	30.00	22.00	19.00	8.00
SOLUBLE BOD5	57.00	14.00	8.00	8.00	4.00
TOT SUSP SOLIDS	170.00	34.00	14.00	10.00	14.00
VOL SUSP SOLIDS	107.00	23.00	7.00	6.00	7.00
TOTAL COD	215.00	54.30	39.70	39.70	37.70
SOLUBLE COD	55.60	46.60	38.50	37.70	35.30
TOTL PHOSPHORUS	3.71			1.88	1.90
TKN	18.90			28.00	26.40
NH4+ - N	14.10			22.00	22.10
NO2- - N				0.10	
NO3- - N				1.10	
ALGAE CELL CNT		0.00	567.50	2982.30	605.20
FECAL COLIFORM				2400.00	2.00
TURBIDITY	172.00	65.00	*******	*******	*******
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 94 SOL BOD 93 TOT SUSP SOL 92
TOT COD 82 SOL COD 37

DATE 1 7 76

HIGH TEMP 8.3 LOW TEMP -8.8 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.30				0.55
W W FLOW PEAK	2.30				0.70
W W TEMP	10.00	12.20	4.40	2.20	2.20
PH	6.90	7.00	7.40	7.50	7.30
DIS. OXYGEN	11.10	5.70	14.40	14.20	14.00
ALKALINITY	54.90	69.00	82.60	76.50	79.60
TOTAL BOD5	108.00	24.00	17.00	17.00	10.00
SOLUBLE BOD5	33.00	9.00	7.00	7.00	4.00
TOT SUSP SOLIDS	119.00	31.00	12.00	14.00	13.00
VOL SUSP SOLIDS	99.00	28.00	8.00	5.00	6.00
TOTAL COD	234.00	57.60	42.50	45.40	44.20
SOLUBLE COD	107.00	35.20	30.10	39.00	57.10
TOTL PHOSPHORUS	3.52			1.90	2.04
TKN	13.30			17.60	16.20
NH4+ - N	11.00			19.10	18.80
NO2- - N				0.10	
NO3- - N				0.84	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				2400.00	13.00
TURBIDITY	152.00	77.50	16.80	16.80	16.80
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 91 SOL BOD 88 TOT SUSP SOL 89
TOT COD 81 SOL COD 47

DATE 1 8 76

HIGH TEMP -6.6 LOW TEMP -6.6 RAIN 0.00 SNOW 7.62

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.20				0.60
W W FLOW PEAK	2.30				0.70
W W TEMP	7.20	12.20	1.10	1.10	1.10
PH	6.90	7.00	7.30	7.50	7.40
DIS. OXYGEN	11.60	6.00	13.60	13.60	13.40
ALKALINITY	55.10	64.50	82.60	82.20	76.90
TOTAL BOD5	156.00	29.00	17.00	16.00	8.00
SOLUBLE BOD5	96.00	43.00	20.00	16.00	7.00
TOT SUSP SOLIDS	129.00	36.00	12.00	12.00	12.00
VOL SUSP SOLIDS	84.00	28.00	11.00	11.00	10.00
TOTAL COD	*******	*******	*******	34.90	40.00
SOLUBLE COD	90.00	51.60	35.50	33.90	39.20
TOTL PHOSPHORUS	5.82			2.88	3.20
TKN	16.60			22.40	21.90
NH4+ - N	18.20			30.50	30.50
NO2- - N				0.10	
NO3- - N				0.47	
ALGAE CELL CNT		1606.20	1409.40	877.00	945.70
FECAL COLIFORM				2400.00	2.00
TURBIDITY	135.00	65.00	15.20	16.80	19.10
CHLORINE RESID.					0.40

% REMOVAL TOT BOD 95 SOL BOD 93 TOT SUSP SOL 91
TOT COD**** SOL COD 56

DATE 1 9 76

HIGH TEMP -8.8 LOW TEMP-16.0 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.95				0.63
W W FLOW PEAK	2.00				0.75
W W TEMP	6.10	7.80	0.00	0.00	0.00
PH	6.80	6.90	7.30	7.20	7.10
DIS. OXYGEN	11.90	6.50	14.70	14.80	14.00
ALKALINITY	53.00	63.20	73.40	77.90	80.60
TOTAL BOD5	150.00	30.00	16.00	14.00	8.00
SOLUBLE BOD5	78.00	17.00	13.00	13.00	5.00
TOT SUSP SOLIDS	137.00	40.00	10.00	10.00	14.00
VOL SUSP SOLIDS	86.00	27.00	7.00	8.00	10.00
TOTAL COD	296.00	66.60	43.40	38.60	40.90
SOLUBLE COD	96.00	44.20	37.80	36.90	36.20
TOTL PHOSPHORUS	3.91			0.60	0.83
TKN	16.00			21.10	21.10
NH4+ - N	16.20			23.30	22.40
NO2- - N				0.10	
NO3- - N				0.25	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				2400.00	2.00
TURBIDITY	164.00	74.00	15.30	19.50	15.20
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 95 SOL BOD 94 TOT SUSP SOL 90
TOT COD 86 SOL COD 62

DATE 1 10 76

HIGH TEMP -2.1 LOW TEMP=15.5 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.85				0.58
W W FLOW PEAK	1.80				0.76
W W TEMP	8.90	12.80	2.80	2.20	2.80
PH	6.70	6.90	7.30	7.30	7.20
DIS. OXYGEN	11.00	4.90	14.40	14.80	14.30
ALKALINITY	27.70	65.50	75.70	82.40	78.50
TOTAL BOD5	108.00	22.00	15.00	15.00	7.00
SOLUBLE BOD5	69.00	29.00	8.00	10.00	2.00
TOT SUSP SOLIDS	127.00	42.00	15.00	12.00	14.00
VOL SUSP SOLIDS	90.00	30.00	11.00	12.00	12.00
TOTAL COD	234.00	65.50	41.70	45.50	39.00
SOLUBLE COD	93.20	58.30	34.80	47.20	45.30
TOTL PHOSPHORUS	3.05			0.60	0.60
TKN	17.80			23.70	21.60
NH4+ - N	15.10			20.50	20.10
NO2- - N				0.10	
NO3- - N				0.25	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				2400.00	2.00
TURBIDITY	155.00	78.00	20.20	17.50	16.00
CHLORINE RESID.					0.80

% REMOVAL TOT BOD 94 SOL BOD 97 TOT SUSP SOL 89
TOT COD 83 SOL COD 51

DATE 1 11 76

HIGH TEMP 2.2 LOW TEMP -4.9 RAIN 0.00 SNOW 5.08

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.60				0.65
W W FLOW PEAK	1.40				0.67
W W TEMP	11.10	16.10	7.80	2.80	2.80
PH	6.40	6.80	7.20	7.20	7.10
DIS. OXYGEN	11.30	5.00	13.60	14.60	14.40
ALKALINITY	27.50	65.10	82.60	81.40	81.20
TOTAL BOD5	180.00	38.00	26.00	22.00	10.00
SOLUBLE BOD5	66.00	46.00	24.00	44.00	5.00
TOT SUSP SOLIDS	58.00	43.00	14.00	13.00	13.00
VOL SUSP SOLIDS	37.00	32.00	11.00	12.00	11.00
TOTAL COD	52.80	28.70	42.50	39.00	39.00
SOLUBLE COD	24.50	45.40	43.30	35.20	38.20
TOTL PHOSPHORUS	1.10			0.60	0.63
TKN	10.80			21.60	21.60
NH4+ - N	10.20			20.10	20.90
NO2- - N				0.10	
NO3- - N				0.23	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				2400.00	2.00
TURBIDITY	49.90	57.10	19.00	16.20	18.60
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 94 SOL BOD 92 TOT SUSP SOL 78
TOT COD 26 SOL COD -55

DATE 1 12 76

HIGH TEMP 0.0 LOW TEMP -3.2 RAIN 0.00 SNOW10.16

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.75				0.65
W W FLOW PEAK	1.80				0.75
W W TEMP	12.20	12.80	7.80	5.00	5.00
PH	6.70	6.90	7.20	7.20	7.10
DIS. OXYGEN	10.00	3.20	13.70	14.00	13.20
ALKALINITY	68.70	68.50	79.60	84.90	80.00
TOTAL BOD5	222.00	40.00	36.00	42.00	10.00
SOLUBLE BOD5	25.00	19.00	14.00	16.00	5.00
TOT SUSP SOLIDS	153.00	41.00	13.00	11.00	12.00
VOL SUSP SOLIDS	119.00	30.00	11.00	9.00	10.00
TOTAL COD	235.00	68.90	40.70	37.80	34.70
SOLUBLE COD	51.50	46.10	34.60	33.40	33.20
TOTL PHOSPHORUS	3.81			0.60	0.75
TKN	23.50			21.90	21.30
NH4+ - N	21.40			20.50	20.50
NO2- - N				0.10	
NO3- - N				0.49	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				2400.00	2.00
TURBIDITY	124.00	81.00	18.80	17.60	18.60
CHLORINE RESID.					0.70

% REMOVAL TOT BOD 95 SOL BOD 80 TOT SUSP SOL 92
TOT COD 85 SOL COD 36

DATE 2 1 76

HIGH TEMP 0.0 LOW TEMP -2.1 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.75				0.65
W W FLOW PEAK	1.10				0.70
W W TEMP	10.00	13.90	6.10	6.10	6.10
PH	6.50	6.70	7.20	7.20	7.20
DIS. OXYGEN	14.00	1.80	15.00	15.00	15.00
ALKALINITY	32.60	53.90	76.70	76.50	66.90
TOTAL BOD5	90.00	34.00	14.00	15.00	5.00
SOLUBLE BOD5	81.00	42.00	17.00	7.00	0.00
TOT SUSP SOLIDS	123.00	40.00	19.00	13.00	14.00
VOL SUSP SOLIDS	81.00	29.00	14.00	10.00	11.00
TOTAL COD	291.80	69.40	50.20	49.10	48.90
SOLUBLE COD	86.60	52.00	47.00	43.00	43.20
TOTL PHOSPHORUS	4.12			0.86	0.86
TKN	19.10			21.90	21.50
NH4+ - N	13.70			19.50	18.80
NO2- - N				0.10	
NO3- - N				0.45	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				1600.00	13.00
TURBIDITY	122.00	68.00	*******	*******	*******
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 94 SOL BOD 100 TOT SUSP SOL 89
TOT COD 83 SOL COD 50

DATE 2 2 76

HIGH TEMP-13.2 LOW TEMP-17.7 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.71				0.66
W W FLOW PEAK	1.10				0.80
W W TEMP	7.80	11.10	1.10	1.10	1.10
PH	6.50	6.80	7.10	7.30	7.20
DIS. OXYGEN	13.60	1.60	15.00	15.00	15.00
ALKALINITY	28.90	52.50	67.90	67.00	65.40
TOTAL BOD5	276.00	36.00	32.00	31.00	9.00
SOLUBLE BOD5	96.00	68.00	32.00	35.00	8.00
TOT SUSP SOLIDS	139.00	45.00	14.00	13.00	12.00
VOL SUSP SOLIDS	92.00	31.00	13.00	11.00	11.00
TOTAL COD	192.80	67.70	49.70	*******	*******
SOLUBLE COD	82.70	39.40	41.00	35.90	41.60
TOTL PHOSPHORUS	3.82			0.86	0.86
TKN	14.20			15.00	20.20
NH4+ - N	12.80			17.10	18.80
NO2- - N				0.10	
NO3- - N				0.25	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				8.00	2.00
TURBIDITY	138.00	70.00	24.80	20.70	25.50
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 97 SOL BOD 92 TOT SUSP SOL 91
TOT COD**** SOL COD 50

DATE 2 3 76

HIGH TEMP 3.3 LOW TEMP-17.1 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.70				0.60
W W FLOW PEAK	1.00				0.73
W W TEMP	6.10	13.90	2.20	2.20	2.20
PH	6.30	6.70	7.00	7.00	6.90
DIS. OXYGEN	14.80	1.80	15.00	15.00	15.00
ALKALINITY	25.60	50.40	75.60	93.90	72.00
TOTAL BOD5	312.00	89.00	30.00	30.00	8.00
SOLUBLE BOD5	51.00	74.00	38.00	31.00	2.00
TOT SUSP SOLIDS	114.00	48.00	12.00	12.00	15.00
VOL SUSP SOLIDS	77.00	34.00	13.00	12.00	12.00
TOTAL COD	207.00	78.70	47.40	47.10	46.80
SOLUBLE COD	72.10	38.00	44.30	37.20	34.90
TOTL PHOSPHORUS	3.89			0.86	0.86
TKN	16.20			22.70	21.80
NH4+ - N	13.40			19.60	20.30
NO2- - N				0.10	
NO3- - N				0.76	
ALGAE CELL CNT		1082.30	895.50	886.30	1054.40
FECAL COLIFORM				11.00	2.00
TURBIDITY	119.00	82.00	22.50	25.90	22.60
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 97 SOL BOD 96 TOT SUSP SOL 87
TOT COD 77 SOL COD 52

DATE 2 4 76

HIGH TEMP 6.7 LOW TEMP -8.8 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.65				0.60
W W FLOW PEAK	1.17				0.80
W W TEMP	10.00	12.80	5.00	3.90	3.90
PH	6.40	6.70	7.20	7.20	7.10
DIS. OXYGEN	11.00	3.80	14.80	15.00	15.00
ALKALINITY	28.90	49.80	71.30	70.50	72.60
TOTAL BOD5	180.00	55.00	29.00	20.00	12.00
SOLUBLE BOD5	63.00	43.00	15.00	34.00	5.00
TOT SUSP SOLIDS	80.00	47.00	19.00	17.00	15.00
VOL SUSP SOLIDS	50.00	42.00	14.00	13.00	12.00
TOTAL COD	249.70	68.40	47.90	46.20	45.80
SOLUBLE COD	84.50	45.30	39.40	39.30	38.60
TOTL PHOSPHORUS	4.78			1.08	1.10
TKN	16.80			20.20	21.00
NH4+ - N	15.80			20.10	20.60
NO2- - N				0.10	
NO3- - N				0.10	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				350.00	2.00
TURBIDITY	161.00	82.00	22.60	18.10	17.60
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 93 SOL BOD 92 TOT SUSP SOL 81
TOT COD 82 SOL COD 54

DATE 2 5 76

HIGH TEMP -3.8 LOW TEMP -3.8 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.61				0.59
W W FLOW PEAK	1.15				0.75
W W TEMP	10.60	13.30	2.20	2.20	2.20
PH	6.40	6.70	7.20	7.10	7.10
DIS. OXYGEN	12.40	2.40	15.00	15.00	15.00
ALKALINITY	25.00	44.80	68.90	74.40	69.10
TOTAL BOD5	288.00	64.00	20.00	21.00	10.00
SOLUBLE BOD5	81.00	96.00	36.00	18.00	6.00
TOT SUSP SOLIDS	150.00	47.00	18.00	17.00	13.00
VOL SUSP SOLIDS	101.00	33.00	13.00	12.00	12.00
TOTAL COD	243.40	67.40	45.60	45.50	45.20
SOLUBLE COD	94.00	43.60	37.70	37.10	36.10
TOTL PHOSPHORUS	4.37			0.86	0.86
TKN	18.60			21.30	21.30
NH4+ - N	17.50			20.50	20.10
NO2- - N				0.10	
NO3- - N				0.10	
ALGAE CELL CNT		1551.60	388.30	416.80	445.80
FECAL COLIFORM				2.00	2.00
TURBIDITY	110.00	70.00	25.00	21.10	23.30
CHLORINE RESID.					*******

% REMOVAL TOT BOD 97 SOL BOD 93 TOT SUSP SOL 91
TOT COD 81 SOL COD 62

DATE 2 6 76

HIGH TEMP -3.2 LOW TEMP -5.5 RAIN 0.00 SNOW10.16

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.80				0.69
W W FLOW PEAK	2.01				0.70
W W TEMP	8.90	11.10	3.90	3.90	3.90
PH	6.50	6.60	7.10	7.10	7.00
DIS. OXYGEN	13.20	3.00	15.00	15.00	15.00
ALKALINITY	25.40	45.70	67.30	67.20	67.40
TOTAL BOD5	174.00	40.00	22.00	22.00	7.00
SOLUBLE BOD5	156.00	40.00	22.00	15.00	5.00
TOT SUSP SOLIDS	107.00	52.00	18.00	16.00	16.00
VOL SUSP SOLIDS	71.00	36.00	13.00	12.00	12.00
TOTAL COD	191.00	70.40	46.80	43.10	41.50
SOLUBLE COD	64.00	41.00	39.60	40.50	38.30
TOTL PHOSPHORUS	2.96			0.86	0.86
TKN	14.50			20.30	20.30
NH4+ - N	14.70			19.60	19.60
NO2- - N				0.10	
NO3- - N				0.46	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				12.00	2.00
TURBIDITY	131.00	81.00	22.10	17.70	22.10
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 96 SOL BOD 97 TOT SUSP SOL 85
TOT COD 78 SOL COD 40

DATE 2 7 76

HIGH TEMP -6.6 LOW TEMP -9.3 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.08				0.69
W W FLOW PEAK	2.00				0.74
W W TEMP	7.80	12.80	2.20	2.20	2.20
PH	6.50	6.60	7.00	7.10	7.00
DIS. OXYGEN	14.20	3.10	14.20	15.00	14.80
ALKALINITY	20.70	43.10	78.90	72.80	67.00
TOTAL BOD5	228.00	67.00	43.00	21.00	20.00
SOLUBLE BOD5	105.00	53.00	30.00	24.00	18.00
TOT SUSP SOLIDS	93.00	44.00	15.00	17.00	17.00
VOL SUSP SOLIDS	62.00	34.00	15.00	14.00	13.00
TOTAL COD	216.00	64.70	49.10	41.50	42.40
SOLUBLE COD	76.50	48.60	48.10	39.70	38.00
TOTL PHOSPHORUS	3.50			0.72	0.86
TKN	16.90			21.20	21.60
NH4+ - N	17.90			22.10	22.90
NO2- - N				0.10	
NO3- - N				0.30	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				17.00	2.00
TURBIDITY	138.00	89.00	21.60	20.30	21.40
CHLORINE RESID.					0.70

% REMOVAL TOT BOD 91 SOL BOD 83 TOT SUSP SOL 82
TOT COD 80 SOL COD 50

DATE 2 8 76

HIGH TEMP 1.1 LOW TEMP=12.1 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.00				0.64
W W FLOW PEAK	1.85				0.75
W W TEMP	6.10	17.20	2.20	2.20	2.80
PH	6.30	6.60	6.90	7.00	6.90
DIS. OXYGEN	14.60	2.40	15.00	15.00	14.80
ALKALINITY	28.50	46.30	70.10	70.90	66.60
TOTAL BOD5	240.00	66.00	31.00	49.00	11.00
SOLUBLE BOD5	81.00	74.00	29.00	54.00	8.00
TOT SUSP SOLIDS:	73.00	45.00	13.00	10.00	11.00
VOL SUSP SOLIDS:	46.00	33.00	11.00	10.00	10.00
TOTAL COD	*******	63.20	44.30	39.80	39.80
SOLUBLE COD	42.90	41.30	37.30	36.10	36.40
TOTL PHOSPHORUS:	2.90			0.83	0.84
TKN	15.00			22.10	20.70
NH4+ - N	15.90			23.20	19.90
NO2- - N				0.10	
NO3- - N				0.71	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				33.00	2.00
TURBIDITY	125.00	87.00	23.40	18.30	17.20
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 95 SOL BOD 90 TOT SUSP SOL 85
TOT COD**** SOL COD 15

DATE 2 9 76

HIGH TEMP 4.4 LOW TEMP -6.0 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.00				0.64
W W FLOW PEAK	1.80				0.71
W W TEMP	7.80	12.20	2.20	2.80	2.80
PH	6.50	6.70	6.90	7.00	6.90
DIS. OXYGEN	13.80	2.20	15.00	15.00	15.00
ALKALINITY	31.00	45.30	68.30	66.80	73.60
TOTAL BOD5	156.00	70.00	50.00	20.00	7.00
SOLUBLE BOD5	114.00	55.00	38.00	33.00	6.00
TOT SUSP SOLIDS	112.00	48.00	16.00	14.00	15.00
VOL SUSP SOLIDS	75.00	30.00	9.00	9.00	12.00
TOTAL COD	156.00	65.90	39.70	38.90	38.90
SOLUBLE COD	54.90	38.20	39.10	36.50	36.60
TOTL PHOSPHORUS	3.27			0.55	0.58
TKN	15.80			21.30	20.40
NH4+ - N	14.30			20.70	20.70
NO2- - N				0.10	
NO3- - N				0.19	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				350.00	2.00
TURBIDITY	139.00	88.00	23.20	18.90	21.60
CHLORINE RESID.					0.80

% REMOVAL TOT BOD 96 SOL BOD 95 TOT SUSP SOL 87
TOT COD 75 SOL COD 33

DATE 2 10 76

HIGH TEMP 16.7 LOW TEMP -8.8 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.00				0.58
W W FLOW PEAK	2.40				0.70
W W TEMP	10.00	10.60	5.00	4.40	4.40
PH	6.60	6.70	7.10	7.10	7.00
DIS. OXYGEN	12.80	2.40	15.00	14.80	15.00
ALKALINITY	39.00	47.70	66.40	68.70	64.40
TOTAL BODS	288.00	101.00	25.00	44.00	8.00
SOLUBLE BODS	81.00	62.00	55.00	29.00	4.00
TOT SUSP SOLIDS	110.00	44.00	11.00	10.00	10.00
VOL SUSP SOLIDS	73.00	30.00	11.00	10.00	9.00
TOTAL COD	193.00	61.80	39.40	36.20	35.70
SOLUBLE COD	65.30	34.20	34.40	33.70	33.70
TOTL PHOSPHORUS	3.90			0.65	0.61
TKN	16.60			20.50	21.00
NH4+ - N	15.80			21.10	20.10
NO2- - N				0.10	
NO3- - N				0.18	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				180.00	2.00
TURBIDITY	137.00	78.00	16.60	15.80	14.20
CHLORINE RESTD.					0.80

% REMOVAL TOT BOD 97 SOL BOD 95 TOT SUSP SOL 91
TOT COD 82 SOL COD 48

DATE 2 11 76

HIGH TEMP 4.4 LOW TEMP -3.2 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.30				0.55
W W FLOW PEAK	2.45				0.65
W W TEMP	10.00	13.90	5.00	4.40	5.00
PH	6.60	6.70	7.00	7.00	7.00
DIS. OXYGEN	13.20	2.20	14.80	15.00	14.60
ALKALINITY	46.10	45.30	67.40	67.40	52.10
TOTAL BOD5	294.00	67.00	35.00	20.00	7.00
SOLUBLE BOD5	135.00	91.00	43.00	28.00	5.00
TOT SUSP SOLIDS	179.00	47.00	12.00	9.00	10.00
VOL SUSP SOLIDS	113.00	31.00	10.00	9.00	9.00
TOTAL COD	207.00	63.80	40.60	38.30	35.90
SOLUBLE COD	79.90	38.00	33.90	33.30	30.00
TOTL PHOSPHORUS	4.26			0.44	0.42
TKN	18.80			21.70	21.70
NH4+ - N	16.30			23.10	21.50
NO2- - N				0.10	
NO3- - N				0.60	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				33.00	2.00
TURBIDITY	165.00	78.00	25.20	19.20	24.20
CHLORINE RESID.					0.70

% REMOVAL TOT BOD 98 SOL BOD 96 TOT SUSP SOL 94
TOT COD 83 SOL COD 62

DATE 2 12 76

HIGH TEMP 9.4 LOW TEMP -3.2 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.65				0.61
W W FLOW PEAK	2.00				0.71
W W TEMP	10.00	12.20	6.10	3.90	3.90
PH	5.60	6.70	7.00	7.00	6.90
DIS. OXYGEN	12.80	2.50	14.80	15.00	15.00
ALKALINITY	7.35	43.50	66.80	66.30	60.70
TOTAL BOD5	252.00	95.00	61.00	61.00	10.00
SOLUBLE BOD5	129.00	90.00	57.00	31.00	8.00
TOT SUSP SOLIDS	95.00	45.00	11.00	10.00	10.00
VOL SUSP SOLIDS	56.00	32.00	10.00	9.00	9.00
TOTAL COD	143.00	73.00	40.00	40.20	39.80
SOLUBLE COD	46.20	43.10	39.90	38.50	38.70
TOTL PHOSPHORUS	2.00			0.46	0.48
TKN	9.70			20.60	20.10
NH4+ - N	8.78			18.40	18.00
NO2- - N				0.10	
NO3- - N				0.21	
ALGAE CELL CNT		562.70	280.40	184.30	234.70
FECAL COLIFORM				14.00	2.00
TURBIDITY	40.00	67.00	26.70	24.20	30.50
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 96 SOL BOD 94 TOT SUSP SOL 89
TOT COD 72 SOL COD 16

DATE 2 13 76

HIGH TEMP 11.7 LOW TEMP -1.6 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.80				0.59
W W FLOW PEAK	1.10				0.70
W W TEMP	11.10	13.90	5.00	5.00	6.10
PH	5.80	6.60	7.00	7.00	7.00
DIS. OXYGEN	12.60	3.30	14.20	14.80	14.60
ALKALINITY	17.20	42.00	62.30	65.20	64.10
TOTAL BOD5	126.00	94.00	30.00	48.00	11.00
SOLUBLE BOD5	132.00	34.00	45.00	50.00	10.00
TOT SUSP SOLIDS	77.00	38.00	11.00	9.00	10.00
VOL SUSP SOLIDS	43.00	25.00	8.00	6.00	7.00
TOTAL COD	175.00	60.30	44.00	41.90	40.70
SOLUBLE COD	69.80	44.10	43.80	40.80	39.40
TOTL PHOSPHORUS	3.16			0.69	0.60
TKN	15.10			22.80	20.90
NH4+ - N	12.80			20.00	22.70
NO2- - N				0.10	
NO3- - N				0.14	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				27.00	2.00
TURBIDITY	78.00	65.00	27.80	26.00	27.20
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 91 SOL BOD 92 TOT SUSP SOL 87
TOT COD 77 SOL COD 44

DATE 2 14 76

HIGH TEMP 8.9 LOW TEMP -3.8 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.90				0.63
W W FLOW PEAK	3.90				0.73
W W TEMP	6.10	12.20	3.90	2.80	3.90
PH	6.60	6.60	7.00	6.90	7.00
DIS. OXYGEN	15.00	5.00	15.00	15.00	15.00
ALKALINITY	27.50	39.20	65.00	27.10	60.30
TOTAL BOD5	180.00	103.00	58.00	36.00	13.00
SOLUBLE BOD5	114.00	89.00	23.00	59.00	10.00
TOT SUSP SOLIDS	79.00	32.00	12.00	7.00	8.00
VOL SUSP SOLIDS	36.00	22.00	10.00	7.00	8.00
TOTAL COD	145.00	57.40	43.00	24.10	43.20
SOLUBLE COD	53.80	34.70	45.40	31.00	41.50
TOTL PHOSPHORUS	1.81			0.45	0.47
TKN	6.80			8.10	19.00
NH4+ - N	9.60			11.60	16.10
NO2- - N				0.10	
NO3- - N				0.21	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				14.00	2.00
TURBIDITY	102.00	63.00	27.50	11.10	23.40
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 93 SOL BOD 91 TOT SUSP SOL 90
TOT COD 70 SOL COD 23

DATE 2 15 76

HIGH TEMP 14.4 LOW TEMP -4.9 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	2.10				0.58
W W FLOW PEAK	3.30				0.71
W W TEMP	10.00	12.80	5.00	3.90	2.80
PH	6.70	6.70	7.10	7.10	7.00
DIS. OXYGEN	12.60	5.30	14.40	14.60	15.00
ALKALINITY	31.80	40.80	60.30	61.70	59.90
TOTAL BOD5	228.00	82.00	47.00	37.00	11.00
SOLUBLE BOD5	48.00	72.00	53.00	35.00	5.00
TOT SUSP SOLIDS	55.00	25.00	11.00	9.00	11.00
VOL SUSP SOLIDS	34.00	18.00	8.00	7.00	10.00
TOTAL COD	113.00	45.40	41.40	39.60	39.50
SOLUBLE COD	55.50	41.10	40.40	38.00	30.80
TOTL PHOSPHORUS	2.00			0.45	0.45
TKN	7.95			18.10	19.60
NH4+ - N	7.48			22.10	21.10
NO2- - N				0.10	
NO3- - N				0.12	
ALGAE CELL CNT		452.20	258.00	117.50	244.30
FECAL COLIFORM				17.00	2.00
TURBIDITY	97.00	50.00	25.40	25.40	25.40
CHLORINE RESID.					0.40

% REMOVAL TOT BOD 95 SOL BOD 90 TOT SUSP SOL 80
TOT COD 65 SOL COD 45

DATE 2 16 76

HIGH TEMP 13.3 LOW TEMP 2.2 RAIN 2.54 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	2.20				0.65
W W FLOW PEAK	3.10				0.69
W W TEMP	10.00	12.80	7.20	5.60	5.60
PH	6.60	6.70	7.10	7.00	6.90
DIS. OXYGEN	13.70	5.40	14.60	13.40	14.20
ALKALINITY	33.00	36.50	60.10	59.70	58.40
TOTAL BOD5	204.00	44.00	48.00	37.00	11.00
SOLUBLE BOD5	93.00	77.00	55.00	56.00	5.00
TOT SUSP SOLIDS	176.00	28.00	11.00	8.00	10.00
VOL SUSP SOLIDS	77.00	20.00	8.00	8.00	9.00
TOTAL COD	151.00	51.60	43.50	41.80	41.10
SOLUBLE COD	57.70	47.10	42.40	41.60	40.30
TOTL PHOSPHORUS	1.81			0.45	0.45
TKN	10.10			25.40	24.80
NH4+ - N	6.82			20.30	19.40
NO2- - N				0.10	
NO3- - N				0.14	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				26.00	2.00
TURBIDITY	126.00	39.00	28.20	29.70	30.90
CHLORINE RESID.					0.40

% REMOVAL TOT BOD 95 SOL BOD 95 TOT SUSP SOL 94
TOT COD 73 SOL COD 30

DATE 2 17 76

HIGH TEMP 15.0 LOW TEMP 4.4 RAIN 5.08 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	3.40				0.65
W W FLOW PEAK	4.00				0.74
W W TEMP	11.10	11.10	6.70	7.20	6.10
PH	6.60	6.80	7.00	7.00	7.00
DIS. OXYGEN	13.20	7.20	14.70	14.00	14.00
ALKALINITY	24.60	36.50	57.00	58.80	61.10
TOTAL BOD5	186.00	83.00	53.00	53.00	8.00
SOLUBLE BOD5	90.00	74.00	52.00	23.00	7.00
TOT SUSP SOLIDS	131.00	23.00	9.00	8.00	9.00
VOL SUSP SOLIDS	46.00	16.00	6.00	5.00	7.00
TOTAL COD	93.90	37.50	33.40	32.60	32.20
SOLUBLE COD	36.80	*******	32.40	32.10	24.00
TOTL PHOSPHORUS	1.51			0.45	0.44
TKN	2.20			16.40	15.90
NH4+ - N	1.70			14.90	14.90
NO2- - N				0.10	
NO3- - N				0.27	
ALGAE CELL CNT		558.10	217.90	189.00	181.80
FECAL COLIFORM				7.00	2.00
TURBIDITY	110.00	53.00	26.00	28.20	29.10
CHLORINE RESID.					0.40

% REMOVAL TOT BOD 96 SOL BOD 92 TOT SUSP SOL 93
TOT COD 66 SOL COD 35

DATE 2 18 76

HIGH TEMP 14.4 LOW TEMP 5.6 RAIN 2.54 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	2.40				0.65
W W FLOW PEAK	3.20				0.74
W W TEMP	11.10	12.20	7.20	5.60	6.10
PH	6.00	6.80	7.10	7.10	7.00
DIS. OXYGEN	14.00	7.70	14.40	14.50	14.50
ALKALINITY	13.50	34.90	59.00	56.60	53.30
TOTAL BODS	192.00	84.00	55.00	56.00	14.00
SOLUBLE BODS	48.00	71.00	54.00	55.00	11.00
TOT SUSP SOLIDS	96.00	41.00	11.00	10.00	11.00
VOL SUSP SOLIDS	47.00	14.00	9.00	8.00	7.00
TOTAL COD	79.90	57.00	40.10	39.50	37.00
SOLUBLE COD	28.60	27.20	39.70	49.00	29.40
TOTL PHOSPHORUS	1.10			0.40	0.60
TKN	3.20			19.60	19.20
NH4+ - N	2.80			19.00	19.00
NO2- - N				0.10	
NO3- - N				0.21	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				27.00	2.00
TURBIDITY	68.00	42.00	20.20	20.50	16.80
CHLORINE RESTD.					0.50

% REMOVAL TOT BOD 93 SOL BOD 77 TOT SUSP SOL 89
TOT COD 54 SOL COD -2

DATE 2 19 76

HIGH TEMP 13.3 LOW TEMP 4.4 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.30				0.70
W W FLOW PEAK	1.90				0.73
W W TEMP	11.10	12.20	5.00	3.90	6.10
PH	5.40	6.80	7.10	7.10	7.10
DIS. OXYGEN	13.40	8.70	14.80	14.20	14.00
ALKALINITY	3.28	31.10	52.30	53.10	51.40
TOTAL BOD5	186.00	74.00	58.00	53.00	16.00
SOLUBLE BOD5	117.00	64.00	58.00	56.00	11.00
TOT SUSP SOLIDS	46.00	18.00	9.00	8.00	9.00
VOL SUSP SOLIDS	26.00	12.00	7.00	7.00	7.00
TOTAL COD	102.00	36.10	34.10	[illegible].60	35.50
SOLUBLE COD	55.40	24.40	35.90	39.80	34.60
TOTL PHOSPHORUS	1.32			0.50	0.50
TKN	5.20			20.60	19.70
NH4+ - N	5.30			20.30	19.40
NO2- - N				0.10	
NO3- - N				0.42	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				540.00	2.00
TURBIDITY	64.00	33.00	15.40	19.20	19.80
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 91 SOL BOD 91 TOT SUSP SOL 80
TOT COD 65 SOL COD 38

DATE 2 20 76

HIGH TEMP 12.8 LOW TEMP 3.3 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.75				0.65
W W FLOW PEAK	1.05				0.74
W W TEMP	11.10	12.80	5.60	5.00	6.10
PH	5.60	6.90	7.10	6.90	7.00
DIS. OXYGEN	13.00	9.40	14.80	14.00	14.00
ALKALINITY	4.30	27.30	51.90	52.70	48.80
TOTAL BOD5	144.00	35.00	14.00	20.00	8.00
SOLUBLE BOD5	129.00	31.00	14.00	15.00	7.00
TOT SUSP SOLIDS	108.00	14.00	8.00	6.00	9.00
VOL SUSP SOLIDS	65.00	8.00	5.00	3.00	6.00
TOTAL COD	167.00	28.60	33.20	33.70	33.50
SOLUBLE COD	61.40	27.30	33.00	31.40	38.60
TOTL PHOSPHORUS	2.51			0.60	0.60
TKN	9.50			16.30	14.90
NH4+ - N	9.90			17.90	13.60
NO2- - N				0.10	
NO3- - N				0.23	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				79.00	2.00
TURBIDITY	72.00	34.00	15.80	17.90	19.00
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 94 SOL BOD 95 TOT SUSP SOL 92
TOT COD 80 SOL COD 37

DATE 2 21 76

HIGH TEMP 18.9 LOW TEMP -2.1 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.60				0.59
W W FLOW PEAK	1.10				0.70
W W TEMP	12.80	12.80	10.00	8.90	8.90
PH	5.20	6.70	7.20	7.20	7.10
DIS. OXYGEN	12.80	8.00	13.60	13.40	14.20
ALKALINITY	5.12	25.20	50.40	51.00	46.90
TOTAL BOD5	240.00	65.00	55.00	54.00	9.00
SOLUBLE BOD5	159.00	66.00	52.00	54.00	7.00
TOT SUSP SOLIDS	112.00	16.00	8.00	8.00	7.00
VOL SUSP SOLIDS	68.00	11.00	5.00	5.00	4.00
TOTAL COD	209.00	26.90	34.00	37.80	29.70
SOLUBLE COD	89.60	21.90	32.50	32.80	37.10
TOTL PHOSPHORUS	3.19			0.30	0.49
TKN	14.00			17.70	17.20
NH4+ - N	13.00			17.80	16.60
NO2- - N				0.10	
NO3- - N				0.28	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				170.00	2.00
TURBIDITY	59.00	24.70	17.10	17.20	14.00
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 96 SOL BOD 96 TOT SUSP SOL 94
TOT COD 86 SOL COD 59

DATE 2 22 76

HIGH TEMP 8.9 LOW TEMP 7.8 RAIN 0.63 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.60				0.60
W W FLOW PEAK	0.95				0.70
W W TEMP	12.80	13.90	10.00	8.90	8.90
PH	4.70	6.50	7.20	7.20	7.10
DIS. OXYGEN	12.60	7.30	13.60	13.20	13.10
ALKALINITY	1.03	23.00	49.60	51.50	48.00
TOTAL BOD5	174.00	60.00	50.00	53.00	6.00
SOLUBLE BOD5	108.00	52.00	46.00	39.00	5.00
TOT SUSP SOLIDS	34.00	14.00	5.00	8.00	5.00
VOL SUSP SOLIDS	23.00	10.00	5.00	6.00	4.00
TOTAL COD	228.00	30.10	36.10	34.30	35.40
SOLUBLE COD	63.40	21.40	29.00	30.50	33.40
TOTL PHOSPHORUS	2.90			0.50	0.51
TKN	12.40			15.20	14.80
NH4+ - N	10.90			15.60	14.50
NO2- - N				0.10	
NO3- - N				0.30	
ALGAE CELL CNT		507.70	31.30	22.70	11.10
FECAL COLIFORM				70.00	2.00
TURBIDITY	145.00	33.50	15.40	14.80	19.50
CHLORINE RESID.					0.70

% REMOVAL TOT BOD 97 SOL BOD 95 TOT SUSP SOL 85
TOT COD 84 SOL COD 47

DATE 2 23 76

HIGH TEMP 1.1 LOW TEMP -7.7 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.50				0.64
W W FLOW PEAK	1.00				0.67
W W TEMP	9.40	11.10	6.10	5.00	5.00
PH	4.60	6.50	7.10	7.20	7.20
DIS. OXYGEN	13.20	8.70	14.50	13.80	13.80
ALKALINITY	0.99	19.60	46.70	45.00	42.60
TOTAL BOD5	168.00	72.00	55.00	58.00	7.00
SOLUBLE BOD5	120.00	65.00	49.00	48.00	6.00
TOT SUSP SOLIDS	162.00	13.00	7.00	7.00	7.00
VOL SUSP SOLIDS	102.00	10.00	5.00	6.00	5.00
TOTAL COD	236.00	24.90	30.60	32.40	30.90
SOLUBLE COD	56.10	22.10	29.70	29.10	31.40
TOTL PHOSPHORUS	4.17			0.35	0.32
TKN	23.40			17.40	17.00
NH4+ - N	14.80			15.50	15.20
NO2- - N				0.10	
NO3- - N				0.38	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				7.00	2.00
TURBIDITY	127.00	33.60	17.80	17.80	16.70
CHLORINE RESID.					*******

% REMOVAL TOT BOD 96 SOL BOD 95 TOT SUSP SOL 96
TOT COD 87 SOL COD 44

DATE 2 24 76

HIGH TEMP 17.8 LOW TEMP -4.9 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.40				0.56
W W FLOW PEAK	1.80				0.65
W W TEMP	10.00	11.10	6.70	6.10	5.60
PH	6.20	6.40	7.30	7.30	7.00
DIS. OXYGEN	13.20	8.90	14.60	14.60	14.80
ALKALINITY	16.00	16.60	46.10	46.90	42.40
TOTAL BOD5	270.00	70.00	25.00	53.00	11.00
SOLUBLE BOD5	186.00	68.00	50.00	33.00	7.00
TOT SUSP SOLIDS	137.00	16.00	10.00	9.00	8.00
VOL SUSP SOLIDS	86.00	10.00	7.00	7.00	6.00
TOTAL COD	230.00	27.70	29.90	28.60	27.40
SOLUBLE COD	57.20	22.90	29.80	28.90	30.30
TOTL PHOSPHORUS	4.20			0.39	0.27
TKN	10.10			13.30	12.60
NH4+ - N	9.42			14.90	14.20
NO2- - N				0.10	
NO3- - N				0.25	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				11.00	2.00
TURBIDITY	108.00	27.50	23.50	20.80	18.30
CHLORINE RESID.					0.80

% REMOVAL TOT BOD 96 SOL BOD 96 TOT SUSP SOL 94
TOT COD 88 SOL COD 47

DATE 2 25 76

HIGH TEMP 17.8 LOW TEMP -1.0 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.30				0.50
W W FLOW PEAK	1.90				0.63
W W TEMP	10.60	12.20	7.80	6.10	6.10
PH	6.30	6.50	7.30	7.30	7.20
DIS. OXYGEN	13.10	7.80	14.80	14.00	14.40
ALKALINITY	20.00	15.60	46.10	45.90	43.60
TOTAL BODS	204.00	28.00	43.00	52.00	11.00
SOLUBLE BODS	126.00	58.00	47.00	50.00	5.00
TOT SUSP SOLIDS	128.00	21.00	9.00	10.00	8.00
VOL SUSP SOLIDS	83.00	15.00	6.00	6.00	5.00
TOTAL COD	213.00	33.90	30.30	30.30	31.80
SOLUBLE COD	63.30	26.00	28.20	32.70	34.80
TOTL PHOSPHORUS	4.03			0.38	0.28
TKN	12.90			15.90	15.40
NH4+ - N	13.70			16.90	16.50
NO2- - N				0.10	
NO3- - N				0.38	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				7.00	2.00
TURBIDITY	160.00	42.00	18.30	20.00	18.10
CHLORINE RESID.					0.80

% REMOVAL TOT BOD 95 SOL BOD 96 TOT SUSP SOL 94
TOT COD 85 SOL COD 45

DATE 2 26 76

HIGH TEMP 15.6 LOW TEMP 1.1 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.50				0.54
W W FLOW PEAK	2.40				0.61
W W TEMP	10.60	12.20	7.80	7.20	7.80
PH	6.40	6.50	7.30	7.30	7.30
DIS. OXYGEN	12.80	8.20	14.50	14.10	14.50
ALKALINITY	22.20	17.20	46.10	46.70	40.60
TOTAL BOD5	336.00	86.00	59.00	59.00	14.00
SOLUBLE BOD5	168.00	82.00	55.00	54.00	13.00
TOT SUSP SOLIDS	132.00	21.00	9.00	10.00	7.00
VOL SUSP SOLIDS	87.00	15.00	7.00	7.00	6.00
TOTAL COD	232.00	37.90	30.50	28.90	30.50
SOLUBLE COD	69.00	28.30	33.10	28.80	29.20
TOTL PHOSPHORUS	4.18			0.27	0.27
TKN	12.60			13.40	13.70
NH4+ - N	13.80			14.90	13.80
NO2- - N				0.10	
NO3- - N				0.42	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				27.00	2.00
TURBIDITY	134.00	37.00	21.40	19.10	21.40
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 96 SOL BOD 92 TOT SUSP SOL 95
TOT COD 87 SOL COD 58

DATE 2 27 76

HIGH TEMP 16.7 LOW TEMP 4.4 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.40				0.54
W W FLOW PEAK	2.00				0.63
W W TEMP	11.10	12.20	7.80	7.80	7.80
PH	6.30	6.50	7.30	7.40	7.30
DIS. OXYGEN	13.10	7.20	14.60	14.60	14.20
ALKALINITY	17.80	17.60	42.90	44.20	40.40
TOTAL BODS	204.00	34.00	48.00	53.00	10.00
SOLUBLE BODS	114.00	54.00	48.00	42.00	8.00
TOT SUSP SOLIDS	124.00	24.00	12.00	9.00	11.00
VOL SUSP SOLIDS	80.00	17.00	8.00	6.00	6.00
TOTAL COD	228.00	41.60	29.80	32.40	30.90
SOLUBLE COD	50.00	29.80	*******	28.30	34.60
TOTL PHOSPHORUS	4.01			0.31	0.35
TKN	12.90			14.90	14.90
NH4+ - N	12.50			16.10	15.70
NO2- - N				0.12	
NO3- - N				0.27	
ALGAE CELL CNT		688.30	594.80	378.60	489.00
FECAL COLIFORM				70.00	2.00
TURBIDITY	135.00	37.00	19.50	21.40	20.80
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 95 SOL BOD 93 TOT SUSP SOL 91
TOT COD 86 SOL COD 31

DATE 2-28 76

HIGH TEMP 17.2 LOW TEMP 1.1 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.80				0.50
W W FLOW PEAK	1.40				0.64
W W TEMP	12.80	13.30	10.00	11.10	11.10
PH	6.40	6.60	7.40	7.40	7.30
DIS. OXYGEN	12.40	6.80	14.40	14.40	14.60
ALKALINITY	25.10	19.20	54.50	44.40	45.70
TOTAL BOD5	220.00	90.00	54.00	58.00	14.00
SOLUBLE BOD5	150.00	78.00	53.00	26.00	13.00
TOT SUSP SOLIDS	50.00	19.00	7.00	5.00	4.00
VOL SUSP SOLIDS	22.00	14.00	5.00	5.00	4.00
TOTAL COD	236.00	44.20	31.60	32.40	32.50
SOLUBLE COD	67.50	34.40	29.80	30.60	*******
TOTL PHOSPHORUS	3.76			0.32	0.20
TKN	16.50			18.10	18.50
NH4+ - N	16.90			18.10	17.70
NO2- - N				0.12	
NO3- - N				0.27	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				79.00	2.00
TURBIDITY	76.00	40.00	17.40	17.40	17.40
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 94 SOL BOD 91 TOT SUSP SOL. 92
TOT COD 86 SOL COD****

DATE 2 29 76

HIGH TEMP 17.2 LOW TEMP -1.0 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.70				0.51
W W FLOW PEAK	1.20				0.65
W W TEMP	11.10	12.80	8.90	8.30	7.80
PH	6.40	6.50	7.80	7.80	7.40
DIS. OXYGEN	12.40	5.80	14.70	14.40	14.80
ALKALINITY	31.30	21.20	40.40	49.10	42.40
TOTAL BOD5	330.00	84.00	48.00	57.00	12.00
SOLUBLE BOD5	123.00	60.00	47.00	27.00	6.00
TOT SUSP SOLIDS	75.00	19.00	10.00	8.00	7.00
VOL SUSP SOLIDS	49.00	14.00	9.00	8.00	6.00
TOTAL COD	260.00	43.20	34.40	33.10	32.70
SOLUBLE COD	70.90	31.70	30.90	28.60	29.90
TOTL PHOSPHORUS	4.36			0.25	0.13
TKN	16.10			16.70	17.30
NH4+ - N	19.10			18.60	17.70
NO2- - N				0.12	
NO3- - N				0.25	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				17.00	2.00
TURBIDITY	101.00	37.00	27.60	23.20	22.00
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 96 SOL BOD 95 TOT SUSP SOL 91
TOT COD 87 SOL COD 58

DATE 3 1 76

HIGH TEMP 17.8 LOW TEMP 0.0 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.90				0.50
W W FLOW PEAK	1.80				0.70
W W TEMP	12.80	15.00	10.00	9.40	8.90
PH	6.40	6.60	7.40	7.60	7.50
DIS. OXYGEN	11.40	4.50	14.40	14.80	14.90
ALKALINITY	22.80	22.80	39.40	40.80	39.00
TOTAL BOD5	222.00	77.00	46.00	54.00	10.00
SOLUBLE BOD5	102.00	55.00	43.00	54.00	10.00
TOT SUSP SOLIDS	129.00	35.00	10.00	10.00	7.00
VOL SUSP SOLIDS	87.00	29.00	8.00	8.00	6.00
TOTAL COD	194.00	46.30	30.40	29.80	30.20
SOLUBLE COD	59.10	32.00	26.50	28.70	30.80
TOTL PHOSPHORUS	3.81			0.30	0.12
TKN	18.20			19.80	18.10
NH4+ - N	15.30			16.50	15.70
NO2- - N				0.12	
NO3- - N				0.27	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				21.00	2.00
TURBIDITY	108.00	46.00	23.20	21.40	19.60
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 95 SOL BOD 90 TOT SUSP SOL 95
TOT COD 84 SOL COD 48

DATE 3 10 76

HIGH TEMP 8.9 LOW TEMP -2.7 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.80				0.50
W W FLOW PEAK	1.80				0.75
W W TEMP	12.20	11.10	11.10	7.80	7.80
PH	6.70	6.80	8.70	8.80	8.00
DIS. OXYGEN	12.80	5.20	15.00	15.00	15.00
ALKALINITY	40.00	43.00	24.80	52.40	32.50
TOTAL BOD5	174.00	27.00	14.00	16.00	10.00
SOLUBLE BOD5	66.00	19.00	18.00	13.00	3.00
TOT SUSP SOLIDS	137.00	25.00	20.00	17.00	13.00
VOL SUSP SOLIDS	94.00	18.00	18.00	16.00	13.00
TOTAL COD	241.10	64.10	46.40	46.20	42.20
SOLUBLE COD	117.00	41.70	33.20	32.60	26.70
TOTL PHOSPHORUS	3.98			0.10	0.10
TKN	18.20			14.20	13.70
NH4+ - N	18.10			14.20	16.30
NO2- - N				0.10	
NO3- - N				0.33	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				540.00	8.00
TURBIDITY	151.00	44.00	27.10	29.10	23.10
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 94 SOL BOD 95 TOT SUSP SOL 91
TOT COD 82 SOL COD 77

DATE 3 11 76

HIGH TEMP 10.0 LOW TEMP 0.0 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.00				0.63
W W FLOW PEAK	2.00				0.80
W W TEMP	11.70	12.80	10.60	7.80	7.80
PH	6.80	7.00	8.70	8.80	8.10
DIS. OXYGEN	13.00	7.20	15.00	15.00	15.00
ALKALINITY	43.40	42.20	35.10	35.80	23.60
TOTAL BOD5	168.00	29.00	18.00	18.00	8.00
SOLUBLE BOD5	51.00	16.00	13.00	13.00	1.00
TOT SUSP SOLIDS	145.00	19.00	21.00	18.00	14.00
VOL SUSP SOLIDS	98.00	13.00	18.00	17.00	12.00
TOTAL COD	236.00	56.60	47.20	46.30	40.70
SOLUBLE COD	65.60	38.30	30.80	29.80	29.60
TOTL PHOSPHORUS	3.35			0.24	0.28
TKN	15.80			14.50	16.30
NH4+ - N	14.10			14.50	12.80
NO2- - N				0.10	
NO3- - N				0.28	
ALGAE CELL CNT		512.40	1743.68	2066.50	2553.60
FECAL COLIFORM				170.00	2.00
TURBIDITY	139.00	47.00	30.70	29.10	25.60
CHLORINE RESID.					0.40

% REMOVAL TOT BOD 95 SOL BOD 98 TOT SUSP SOL 90
TOT COD 83 SOL COD 55

DATE 3 12 76

HIGH TEMP 8.3 LOW TEMP -4.3 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.20				0.50
W W FLOW PEAK	2.40				0.75
W W TEMP	10.00	12.80	8.30	7.80	7.80
PH	6.60	6.80	8.70	8.60	7.90
DIS. OXYGEN	14.00	9.40	15.00	15.00	15.00
ALKALINITY	39.40	46.10	37.40	38.20	35.20
TOTAL BOD5	234.00	41.00	22.00	23.00	12.00
SOLUBLE BOD5	96.00	50.00	29.00	19.00	6.00
TOT SUSP SOLIDS	132.00	23.00	22.00	19.00	16.00
VOL SUSP SOLIDS	94.00	16.00	20.00	18.00	16.00
TOTAL COD	264.00	59.50	50.60	49.50	44.40
SOLUBLE COD	84.80	*******	31.90	34.00	36.60
TOTL PHOSPHORUS	3.53			0.12	0.13
TKN	15.30			13.60	12.90
NH4+ - N	11.40			10.70	10.50
NO2- - N				0.10	
NO3- - N				0.35	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				1600.00	8.00
TURBIDITY	131.00	41.00	31.10	28.60	23.60
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 95 SOL BOD 94 TOT SUSP SOL 88
TOT COD 83 SOL COD 57

DATE 3 13 76

HIGH TEMP 5.6 LOW TEMP 2.2 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.00				0.58
W W FLOW PEAK	1.80				0.70
W W TEMP	7.80	12.80	10.00	8.90	8.90
PH	6.70	6.80	8.60	8.50	7.80
DIS. OXYGEN	15.00	7.10	15.00	15.00	15.00
ALKALINITY	43.20	47.70	36.60	36.60	34.80
TOTAL BOD5	148.00	24.00	14.00	19.00	5.00
SOLUBLE BOD5	60.00	13.00	13.00	7.00	0.00
TOT SUSP SOLIDS	170.00	27.00	23.00	21.00	16.00
VOL SUSP SOLIDS	104.00	18.00	20.00	20.00	15.00
TOTAL COD	216.00	56.00	46.80	41.20	38.10
SOLUBLE COD	80.90	37.90	36.40	35.00	33.70
TOTL PHOSPHORUS	3.86			0.13	0.24
TKN	11.90			11.50	11.50
NH4+ - N	13.10			11.60	11.60
NO2- - N				0.10	
NO3- - N				0.33	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				1600.00	13.00
TURBIDITY	150.00	42.00	30.60	29.10	25.00
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 97 SOL BOD 100 TOT SUSP SOL 91
TOT COD 82 SOL COD 58

DATE 3 14 76

HIGH TEMP 12.2 LOW TEMP -1.6 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.90				0.60
W W FLOW PEAK	1.60				0.80
W W TEMP	12.20	12.20	9.40	8.90	8.30
PH	6.40	6.80	8.60	8.50	7.80
DIS. OXYGEN	14.20	7.60	15.00	15.00	15.00
ALKALINITY	26.30	48.50	39.00	38.20	35.60
TOTAL BOD5	120.00	26.00	26.00	25.00	11.00
SOLUBLE BOD5	78.00	25.00	18.00	13.00	1.00
TOT SUSP SOLIDS	42.00	26.00	23.00	22.00	18.00
VOL SUSP SOLIDS	26.00	16.00	19.00	17.00	14.00
TOTAL COD	62.60	58.50	45.50	43.70	39.80
SOLUBLE COD	42.50	38.40	28.40	27.10	26.20
TOTL PHOSPHORUS	1.01			0.10	0.10
TKN	9.60			14.50	12.90
NH4+ - N	8.10			15.40	12.30
NO2- - N				0.10	
NO3- - N				0.35	
ALGAE CELL CNT		681.60	26.49	43.10	435.10
FECAL COLIFORM				2400.00	5.00
TURBIDITY	47.00	42.00	30.20	31.80	35.20
CHLORINE RESID.					0.40

% REMOVAL TOT BOD 91 SOL BOD 99 TOT SUSP SOL 57
TOT COD 36 SOL COD 38

DATE 3 15 76

HIGH TEMP 14.4 LOW TEMP 0.0 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.00				0.55
W W FLOW PEAK	1.70				0.67
W W TEMP	10.00	12.80	10.00	9.40	8.90
PH	6.50	6.80	8.60	8.60	7.90
DIS. OXYGEN	12.80	6.40	15.00	15.00	15.00
ALKALINITY	23.80	47.10	39.00	30.70	31.10
TOTAL BOD5	180.00	38.00	25.00	32.00	8.00
SOLUBLE BOD5	105.00	62.00	42.00	26.00	6.00
TOT SUSP SOLIDS	106.00	24.00	23.00	21.00	19.00
VOL SUSP SOLIDS	72.00	18.00	22.00	19.00	17.00
TOTAL COD	178.00	56.20	51.10	48.10	41.00
SOLUBLE COD	71.10	39.70	27.20	32.50	32.30
TOTL PHOSPHORUS	2.91			0.29	0.10
TKN	14.20			14.60	15.00
NH4+ - N	11.00			14.00	13.60
NO2- - N				0.10	
NO3- - N				0.28	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				1600.00	17.00
TURBIDITY	97.00	43.00	37.70	38.10	31.10
CHLORINE RESID.					0.40

% REMOVAL TOT BOD 96 SOL BOD 94 TOT SUSP SOL 82
TOT COD 77 SOL COD 55

DATE 3 16 76

HIGH TEMP 6.7 LOW TEMP 1.7 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.90				0.50
W W FLOW PEAK	1.60				0.65
W W TEMP	9.40	12.20	7.80	7.20	7.80
PH	6.60	6.90	8.50	8.50	7.90
DIS. OXYGEN	13.20	4.80	15.00	15.00	15.00
ALKALINITY	37.80	46.70	37.80	38.80	35.80
TOTAL BODS	240.00	42.00	23.00	30.00	10.00
SOLUBLE BODS	90.00	31.00	17.00	13.00	0.00
TOT SUSP SOLIDS	135.00	18.00	23.00	21.00	18.00
VOL SUSP SOLIDS	95.00	15.00	21.00	20.00	18.00
TOTAL COD	256.00	54.50	52.00	49.30	48.00
SOLUBLE COD	81.20	35.00	34.40	30.20	34.60
TOTL PHOSPHORUS	4.80			0.48	0.35
TKN	15.80			15.40	14.70
NH4+ - N	18.20			17.30	19.70
NO2- - N				0.10	
NO3- - N				0.28	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				180.00	4.00
TURBIDITY	118.00	43.00	35.90	34.20	31.20
CHLORINE RESID.					0.40

% REMOVAL TOT BOD 96 SOL BOD 100 TOT SUSP SOL 87
TOT COD 81 SOL COD 57

DATE 4 6 76

HIGH TEMP 16.1 LOW TEMP 0.0 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.20				0.60
W W FLOW PEAK	2.40				0.85
W W TEMP	12.20	15.00	12.20	12.20	12.20
PH	6.80	6.90	7.40	7.40	7.40
DIS. OXYGEN	11.50	5.30	13.00	12.80	12.50
ALKALINITY	55.20	61.10	55.80	58.40	55.00
TOTAL BOD5	90.00	40.00	11.00	10.00	0.00
SOLUBLE BOD5	24.00	6.00	7.00	5.00	0.00
TOT SUSP SOLIDS	108.00	51.00	13.00	14.00	7.00
VOL SUSP SOLIDS	76.00	35.00	10.00	12.00	7.00
TOTAL COD	284.00	97.00	52.30	47.10	46.10
SOLUBLE COD	123.30	58.50	40.40	41.50	47.00
TOTL PHOSPHORUS	4.80			0.36	0.34
TKN	16.00			18.30	18.90
NH4+ - N	16.30			17.60	13.70
NO2- - N				0.10	
NO3- - N				0.28	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				540.00	2.00
TURBIDITY	108.00	98.00	17.90	16.50	18.00
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 100 SOL BOD 100 TOT SUSP SOL 94
TOT COD 84 SOL COD 62

DATE 4 7 76

HIGH. TEMP 16.7 LOW TEMP 0.6 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.20				0.55
W W FLOW PEAK	2.00				0.80
W W TEMP	12.20	13.90	12.20	12.20	12.20
PH	6.80	6.80	7.30	7.30	7.30
DIS. OXYGEN	11.00	5.00	13.00	12.60	12.40
ALKALINITY	59.60	69.90	60.60	71.30	56.40
TOTAL BOD5	108.00	27.00	11.00	7.00	0.00
SOLUBLE BOD5	27.00	8.00	8.00	7.00	0.00
TOT SUSP SOLIDS	104.00	45.00	13.00	7.00	7.00
VOL SUSP SOLIDS	77.00	31.00	11.00	7.00	7.00
TOTAL COD	213.00	86.40	67.10	42.70	39.60
SOLUBLE COD	102.00	48.00	38.30	40.50	38.80
TOTL PHOSPHORUS	3.95			0.32	0.20
TKN	18.30			17.40	17.80
NH4+ - N	17.80			18.50	14.30
NO2- - N				0.10	
NO3- - N				0.13	
ALGAE CELL CNT		2906.80	330.80	155.70	274.50
FECAL COLIFORM				240.00	2.00
TURBIDITY	112.00	94.00	18.70	14.80	16.30
CHLORINE RESID.					0.40

% REMOVAL TOT BOD 100 SOL BOD 100 TOT SUSP SOL 93
TOT COD 81 SOL COD 62

DATE 4 8 76

HIGH TEMP 11.1 LOW TEMP 1.1 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.20				0.60
W W FLOW PEAK	1.80				0.75
W W TEMP	12.20	14.40	11.70	11.10	11.10
PH	6.80	6.90	7.30	7.40	7.30
DIS. OXYGEN	10.4	4.60	13.10	12.50	12.40
ALKALINITY	59.80	68.90	61.20	60.60	60.70
TOTAL BODS	132.00	40.00	16.00	19.00	6.00
SOLUBLE BODS	48.00	26.00	22.00	20.00	2.00
TOT SUSP SOLIDS	110.00	49.00	14.00	11.00	7.00
VOL SUSP SOLIDS	81.00	34.00	11.00	8.00	6.00
TOTAL COD	269.00	93.30	62.40	44.90	40.30
SOLUBLE COD	111.00	49.70	41.10	36.80	37.40
TOTL PHOSPHORUS	4.10			0.35	0.36
TKN	16.60			16.70	17.20
NH4+ - N	17.00			20.80	18.00
NO2- - N				0.10	
NO3- - N				0.16	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				170.00	2.00
TURBIDITY	86.00	84.00	17.50	16.40	11.70
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 95 SOL BOD 96 TOT SUSP SOL 94
TOT COD 85 SOL COD 66

DATE 4 9 76

HIGH TEMP 13.3 LOW TEMP -4.9 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.10				0.55
W W FLOW PEAK	2.30				0.65
W W TEMP	10.60	14.40	12.20	11.10	11.10
PH	7.00	6.90	7.40	7.40	7.40
DIS. OXYGEN	10.80	4.20	13.00	12.80	12.40
ALKALINITY	72.30	72.10	62.40	63.40	61.80
TOTAL BOD5	204.00	49.00	18.00	15.00	6.00
SOLUBLE BOD5	72.00	20.00	12.00	11.00	4.00
TOT SUSP SOLIDS	165.00	45.00	8.00	8.00	8.00
VOL SUSP SOLIDS	123.00	32.00	8.00	7.00	7.00
TOTAL COD	*******	96.80	41.50	42.90	43.40
SOLUBLE COD	160.00	63.30	41.50	43.80	43.40
TOTL PHOSPHORUS	5.37			0.57	0.42
TKN	21.10			15.40	15.50
NH4+ - N	19.90			21.20	16.60
NO2- - N				0.10	
NO3- - N				0.14	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				22.00	2.00
TURBIDITY	122.00	85.00	11.30	11.20	11.30
CHLORINE RESID.					0.40

% REMOVAL TOT BOD 97 SOL BOD 94 TOT SUSP SOL 95
TOT COD**** SOL COD 73

DATE 4 10 76

HIGH TEMP 16.7 LOW TEMP -2.7 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.20				0.50
W W FLOW PEAK	1.90				0.75
W W TEMP	12.20	15.60	12.80	11.10	11.10
PH	6.80	6.90	7.30	7.40	7.40
DIS. OXYGEN	11.70	3.40	12.00	11.80	12.00
ALKALINITY	63.60	66.90	64.20	63.80	58.80
TOTAL BOD5	120.00	52.00	28.00	19.00	8.00
SOLUBLE BOD5	81.00	30.00	19.00	19.00	3.00
TOT SUSP SOLIDS	120.00	54.00	16.00	13.00	7.00
VOL SUSP SOLIDS	89.00	38.00	14.00	13.00	6.00
TOTAL COD	278.00	99.70	64.40	47.00	39.50
SOLUBLE COD	150.00	53.20	50.20	46.40	43.70
TOTL PHOSPHORUS	4.86			0.56	0.56
TKN	17.90			15.20	14.10
NH4+ - N	21.60			18.90	16.00
NO2- - N				0.10	
NO3- - N				0.21	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				5.00	2.00
TURBIDITY	118.00	82.00	19.90	13.70	19.80
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 93 SOL BOD 96 TOT SUSP SOL 94
TOT COD 86 SOL COD 71

DATE 4 11 76

HIGH TEMP 6.7 LOW TEMP 6.7 RAIN 0.16 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.80				0.40
W W FLOW PEAK	1.40				0.55
W W TEMP	13.90	15.60	13.90	12.80	12.80
PH	6.70	6.90	7.30	7.30	7.30
DIS. OXYGEN	10.80	3.00	11.00	11.20	11.60
ALKALINITY	49.70	74.10	64.40	65.30	62.20
TOTAL BOD5	216.00	55.00	21.00	18.00	8.00
SOLUBLE BOD5	84.00	32.00	21.00	21.00	7.00
TOT SUSP SOLIDS	154.00	60.00	9.00	10.00	4.00
VOL SUSP SOLIDS	119.00	44.00	9.00	10.00	4.00
TOTAL COD	305.00	98.20	48.10	48.20	41.20
SOLUBLE COD	134.00	61.20	42.90	44.90	42.00
TOTL PHOSPHORUS	5.41			0.75	0.62
TKN	17.30			15.70	14.10
NH4+ - N	18.10			18.70	16.10
NO2- - N				0.10	
NO3- - N				0.17	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				17.00	2.00
TURBIDITY	115.00	101.00	17.10	13.40	17.60
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 96 SOL BOD 92 TOT SUSP SOL 97
TOT COD 86 SOL COD 69

DATE 4 12 76

HIGH TEMP 7.8 LOW TEMP -3.8 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.95				0.50
W W FLOW PEAK	1.80				0.65
W W TEMP	10.00	11.10	9.40	8.90	9.40
PH	6.90	6.90	7.40	7.40	7.30
DIS. OXYGEN	12.40	3.90	11.30	12.00	11.40
ALKALINITY	62.00	75.20	66.90	66.10	62.30
TOTAL BOD5	216.00	59.00	21.00	16.00	8.00
SOLUBLE BOD5	69.00	25.00	16.00	13.00	4.00
TOT SUSP SOLIDS	134.00	62.00	8.00	9.00	3.00
VOL SUSP SOLIDS	97.00	42.00	8.00	7.00	3.00
TOTAL COD	*******	*******	60.10	55.70	51.50
SOLUBLE COD	163.00	88.60	49.50	42.40	51.90
TOTL PHOSPHORUS	4.50			0.36	0.35
TKN	19.40			17.60	19.30
NH4+ - N	27.90			25.10	21.30
NO2- - N				0.10	
NO3- - N				0.24	
ALGAE CELL CNT		315.68	90.80	25.40	43.30
FECAL COLIFORM				13.00	2.00
TURBIDITY	134.00	110.00	14.90	13.50	8.80
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 96 SOL BOD 94 TOT SUSP SOL 98
TOT COD**** SOL COD 68

DATE 5 1 76

HIGH TEMP 17.2 LOW TEMP 5.6 RAIN 0.63 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.50				0.40
W W FLOW PEAK	1.20				0.70
W W TEMP	15.00	17.20	15.60	15.60	15.00
PH	6.80	7.00	7.50	7.50	7.50
DIS. OXYGEN	9.30	3.80	10.80	10.80	10.80
ALKALINITY	128.30	121.00	101.80	97.00	92.30
TOTAL BOD5	234.00	60.00	16.00	15.00	7.00
SOLUBLE BOD5	82.00	29.00	15.00	11.00	6.00
TOT SUSP SOLIDS	168.00	88.00	4.00	5.00	3.00
VOL SUSP SOLIDS	131.00	61.00	4.00	4.00	3.00
TOTAL COD	*******	*******	41.20	40.40	44.20
SOLUBLE COD	129.00	60.30	37.80	40.60	39.50
TOTL PHOSPHORUS	7.50			0.56	0.56
TKN	28.10			23.10	23.10
NH4+ - N	26.00			23.70	22.10
NO2- - N				0.10	
NO3- - N				0.35	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				2.00	2.00
TURBIDITY	148.00	105.00	10.00	8.80	7.40
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 97 SOL BOD 93 TOT SUSP SOL 98
TOT COD**** SOL COD 69

DATE 5. 2 76

HIGH TEMP 21.1 LOW TEMP 7.2 RAIN 0.16 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.80				0.55
W W FLOW PEAK	2.00				0.75
W W TEMP	15.60	17.20	16.10	15.60	16.10
PH	6.70	7.00	7.50	7.50	7.40
DIS. OXYGEN	10.30	3.40	10.90	11.00	10.40
ALKALINITY	87.70	110.90	97.00	95.50	94.10
TOTAL BODS	204.00	61.00	17.00	14.00	8.00
SOLUBLE BODS	45.00	24.00	11.00	13.00	7.00
TOT SUSP SOLIDS	195.00	81.00	2.00	2.00	2.00
VOL SUSP SOLIDS	135.00	58.00	2.00	2.00	2.00
TOTAL COD	*******	155.80	38.30	37.10	36.50
SOLUBLE COD	160.80	136.10	39.10	37.00	36.40
TOTL PHOSPHORUS	5.32			0.56	0.56
TKN	26.00			29.50	29.20
NH4+ - N	26.70			25.00	24.30
NO2- - N				0.10	
NO3- - N				0.27	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				170.00	2.00
TURBIDITY	190.00	112.00	7.40	5.90	7.90
CHLORINE RESID.					0.80

% REMOVAL TOT BOD 96 SOL BOD 84 TOT SUSP SOL 99
TOT COD**** SOL COD 77

DATE 5 3 76

HIGH TEMP 13.3 LOW TEMP 5.0 RAIN 0.16 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.20				0.58
W W FLOW PEAK	1.80				0.75
W W TEMP	12.80	17.20	15.60	13.90	13.90
PH	6.80	7.10	7.60	7.50	7.50
DIS. OXYGEN	8.00	3.20	11.00	11.20	11.10
ALKALINITY	88.10	112.50	99.00	96.20	95.10
TOTAL BOD5	150.00	56.00	16.00	14.00	5.00
SOLUBLE BOD5	51.00	29.00	13.00	13.00	5.00
TOT SUSP SOLIDS	127.00	81.00	6.00	5.00	3.00
VOL SUSP SOLIDS	98.00	57.00	6.00	3.00	3.00
TOTAL COD	403.50	244.30	44.10	40.80	41.50
SOLUBLE COD	183.80	81.00	44.60	42.50	46.50
TOTL PHOSPHORUS	4.21			0.57	0.98
TKN	21.20			20.00	19.50
NH4+ - N	34.40			24.30	23.70
NO2- - N				0.10	
NO3- - N				0.29	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				140.00	2.00
TURBIDITY	118.00	121.00	9.40	7.50	5.90
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 97 SOL BOD 90 TOT SUSP SOL 98
TOT COD 90 SOL COD 75

DATE 5 4 76

HIGH TEMP 14.4 LOW TEMP 4.4 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.60				0.40
W W FLOW PEAK	1.50				0.65
W W TEMP	12.80	19.40	15.00	13.30	12.80
PH	6.80	7.00	7.60	7.60	7.50
DIS. OXYGEN	8.20	3.30	10.90	11.00	11.40
ALKALINITY	95.30	102.40	100.00	97.80	96.80
TOTAL BOD5	168.00	67.00	13.00	11.00	3.00
SOLUBLE BOD5	66.00	20.00	10.00	9.00	3.00
TOT SUSP SOLIDS	160.00	90.00	6.00	5.00	4.00
VOL SUSP SOLIDS	123.00	62.00	5.00	3.00	3.00
TOTAL COD	536.30	183.80	36.60	37.20	43.30
SOLUBLE COD	157.90	73.40	44.60	39.20	45.90
TOTL PHOSPHORUS	6.14			0.57	0.57
TKN	17.60			16.00	17.00
NH4+ - N	21.30			18.20	17.10
NO2- - N				0.10	
NO3- - N				0.27	
ALGAE CELL CNT		20.52	115.50	118.70	157.80
FECAL COLIFORM				1600.00	2.00
TURBIDITY	162.00	118.00	7.40	8.90	8.40
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 98 SOL BOD 95 TOT SUSP SOL 98
TOT COD 92 SOL COD 71

DATE 5 5 76

HIGH TEMP 26.7 LOW TEMP -0.5 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.50				0.45
W W FLOW PEAK	1.40				0.60
W W TEMP	13.90	17.20	15.00	13.30	13.30
PH	6.80	7.00	7.50	7.60	7.50
DIS. OXYGEN	7.90	7.00	7.50	7.60	7.50
ALKALINITY	104.00	112.10	100.00	100.60	97.40
TOTAL BODS	144.00	50.00	17.00	11.00	4.00
SOLUBLE BODS	63.00	17.00	8.00	8.00	4.00
TOT SUSP SOLIDS	152.00	93.00	4.00	5.00	14.00
VOL SUSP SOLIDS	119.00	63.00	3.00	5.00	5.00
TOTAL COD	300.60	200.60	39.30	40.10	*******
SOLUBLE COD	172.60	74.90	47.70	44.80	42.20
TOTL PHOSPHORUS	6.55			0.90	0.79
TKN	28.60			24.90	27.10
NH4+ - N	35.10			29.20	33.10
NO2- - N				0.10	
NO3- - N				0.35	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				1600.00	2.00
TURBIDITY	115.00	122.00	10.40	9.40	8.90
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 97 SOL BOD 94 TOT SUSP SOL 91
TOT COD**** SOL COD 76

DATE 5 6 76

HIGH TEMP 27.8 LOW TEMP 11.1 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.70				0.50
W W FLOW PEAK	1.60				0.70
W W TEMP	18.30	20.00	17.20	18.30	17.80
PH	6.80	7.00	7.60	7.60	7.40
DIS. OXYGEN	6.80	2.40	9.80	9.20	9.90
ALKALINITY	100.20	109.50	103.60	102.80	97.60
TOTAL BOD5	132.00	46.00	9.00	7.00	2.00
SOLUBLE BOD5	63.00	18.00	11.00	7.00	1.00
TOT SUSP SOLIDS	170.00	98.00	8.00	6.00	5.00
VOL SUSP SOLIDS	128.00	64.00	5.00	4.00	3.00
TOTAL COD	563.00	159.50	42.00	41.60	37.40
SOLUBLE COD	237.20	98.90	46.50	40.40	35.50
TOTL PHOSPHORUS	6.84			1.10	0.85
TKN	27.80			24.10	24.70
NH4+ - N	28.80			26.30	27.10
NO2- - N				0.10	
NO3- - N				0.29	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				33.00	2.00
TURBIDITY	152.00	134.00	9.10	9.40	9.90
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 98 SOL BOD 98 TOT SUSP SOL 97
TOT COD 93 SOL COD 85

DATE 5 7 76

HIGH TEMP 18.9 LOW TEMP 12.8 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.80				0.45
W W FLOW PEAK	1.60				0.65
W W TEMP	18.90	20.00	17.20	17.20	17.20
PH	6.80	7.10	7.60	7.60	7.50
DIS. OXYGEN	6.90	2.40	9.60	9.20	10.80
ALKALINITY	104.80	117.00	103.20	103.40	99.60
TOTAL BOD5	108.00	48.00	9.00	6.00	0.00
SOLUBLE BOD5	48.00	14.00	8.00	6.00	0.00
TOT SUSP SOLIDS	182.00	100.00	16.00	5.00	3.00
VOL SUSP SOLIDS	139.00	65.00	12.00	4.00	3.00
TOTAL COD	482.10	155.20	42.50	36.80	42.40
SOLUBLE COD	211.30	112.40	43.90	40.40	38.80
TOTL PHOSPHORUS	5.72			0.92	1.09
TKN	31.70			26.90	21.20
NH4+ - N	34.30			28.50	28.50
NO2- - N				0.10	
NO3- - N				0.28	
ALGAE CELL CNT		1.11	263.90	227.60	230.50
FECAL COLIFORM				79.00	2.00
TURBIDITY	152.00	112.00	10.00	10.00	8.50
CHLORINE RESID.					0.70

% REMOVAL TOT BOD 100 SOL BOD 100 TOT SUSP SOL 98
TOT COD 91 SOL COD 82

DATE 5 8 76

HIGH TEMP 15.6 LOW TEMP 0.0 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.70				0.55
W W FLOW PEAK	1.40				0.75
W W TEMP	15.00	17.20	13.90	14.40	13.90
PH	6.80	7.00	7.60	7.60	7.50
DIS. OXYGEN	8.00	3.30	10.10	10.00	10.50
ALKALINITY	109.70	121.40	105.20	109.70	105.80
TOTAL BODS	156.00	49.00	11.00	11.00	5.00
SOLUBLE BODS	75.00	34.00	6.00	9.00	4.00
TOT SUSP SOLIDS	184.00	99.00	7.00	5.00	7.00
VOL SUSP SOLIDS	142.00	66.00	6.00	5.00	6.00
TOTAL COD	415.30	164.70	39.80	37.30	36.80
SOLUBLE COD	115.10	74.70	39.60	37.20	37.00
TOTL PHOSPHORUS	5.46			0.70	0.70
TKN	31.20			23.60	18.50
NH4+ - N	45.40			32.30	26.10
NO2- - N				0.10	
NO3- - N				0.27	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				49.00	2.00
TURBIDITY	180.00	140.00	13.60	11.90	13.20
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 97 SOL BOD 95 TOT SUSP SOL 96
TOT COD 91 SOL COD 68

DATE 5 9 76

HIGH TEMP 21.1 LOW TEMP -0.5 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.40				0.35
W W FLOW PEAK	0.90				0.50
W W TEMP	14.40	16.10	13.30	12.80	12.20
PH	6.80	7.00	7.60	7.60	7.50
DIS. OXYGEN	7.60	4.00	11.00	10.90	11.00
ALKALINITY	109.90	122.20	107.30	98.40	102.80
TOTAL BODS	210.00	65.00	16.00	12.00	8.00
SOLUBLE BODS	87.00	26.00	14.00	10.00	6.00
TOT SUSP SOLIDS	171.00	85.00	6.00	6.00	4.00
VOL SUSP SOLIDS	135.00	62.00	6.00	6.00	4.00
TOTAL COD	340.50	186.80	42.80	35.30	33.50
SOLUBLE COD	230.00	85.20	41.70	36.50	33.40
TOTL PHOSPHORUS	7.16			0.71	0.71
TKN	25.40			22.30	21.60
NH4+ - N	31.30			31.30	31.30
NO2- - N				0.10	
NO3- - N				0.17	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				23.00	2.00
TURBIDITY	148.00	162.00	12.00	8.80	11.40
CHLORINE RESID.					0.70

% REMOVAL TOT BOD 96 SOL BOD 93 TOT SUSP SOL 98
TOT COD 90 SOL COD 85

DATE 5 10 76

HIGH TEMP 25.6 LOW TEMP 4.4 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.80				0.50
W W FLOW PEAK	1.50				0.65
W W TEMP	13.90	18.90	17.20	17.20	17.20
PH	6.80	7.10	7.60	7.70	7.40
DIS. OXYGEN	5.90	3.10	11.30	11.30	10.60
ALKALINITY	100.20	120.40	106.50	105.80	99.20
TOTAL BOD5	228.00	85.00	50.00	30.00	11.00
SOLUBLE BOD5	126.00	90.00	50.00	50.00	11.00
TOT SUSP SOLIDS	151.00	99.00	15.00	5.00	5.00
VOL SUSP SOLIDS	122.00	70.00	13.00	5.00	5.00
TOTAL COD	450.00	175.40	40.00	35.40	47.90
SOLUBLE COD	176.30	86.80	44.30	30.40	43.80
TOTL PHOSPHORUS	5.27			0.71	0.71
TKN	24.40			22.20	23.40
NH4+ - N	41.40			35.60	31.20
NO2- - N				0.10	
NO3- - N				0.18	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				22,00	2,00
TURBIDITY	142.00	125.00	11.30	5.30	6.50
CHLORINE RESID.					0.90

% REMOVAL TOT BOD 95 SOL BOD 91 TOT SUSP SOL 97
TOT COD 89 SOL COD 75

DATE 5 11 76

HIGH TEMP 22.2 LOW TEMP 10.0 RAIN 0.16 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.85				0.50
W W FLOW PEAK	1.40				0.80
W W TEMP	14.40	20.00	17.20	17.20	17.20
PH	6.90	7.10	7.70	7.70	7.60
DIS. OXYGEN	6.20	2.90	11.60	11.40	10.80
ALKALINITY	114.70	121.00	107.70	106.90	101.60
TOTAL BOD5	228.00	74.00	20.00	16.00	7.00
SOLUBLE BOD5	108.00	58.00	38.00	17.00	9.00
TOT SUSP SOLIDS	197.00	92.00	6.00	9.00	7.00
VOL SUSP SOLIDS	146.00	67.00	5.00	5.00	5.00
TOTAL COD	544.50	543.60	42.00	40.40	44.00
SOLUBLE COD	220.50	44.70	44.00	43.00	43.60
TOTL PHOSPHORUS	8.81			0.93	0.93
TKN	34.70			25.70	25.80
NH4+ - N	34.30			31.30	29.40
NO2- - N				0.10	
NO3- - N				0.17	
ALGAE CELL CNT		2.36	884.30	788.90	806.70
FECAL COLIFORM				33.00	2.00
TURBIDITY	168.00	122.00	13.00	10.20	10.60
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 97 SOL BOD 92 TOT SUSP SOL. 96
TOT COD 92 SOL COD 80

DATE 5 12 76

HIGH TEMP 16.7 LOW TEMP 4.4 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.70				0.65
W W FLOW PEAK	1.50				0.80
W W TEMP	13.90	18.90	15.00	13.90	14.40
PH	6.90	7.00	7.70	7.80	7.60
DIS. OXYGEN	6.30	3.10	12.50	12.70	11.20
ALKALINITY	104.00	123.40	110.70	109.30	105.00
TOTAL BOD5	216.00	68.00	23.00	25.00	11.00
SOLUBLE BOD5	63.00	26.00	13.00	11.00	7.00
TOT SUSP SOLIDS	196.00	108.00	9.00	10.00	8.00
VOL SUSP SOLIDS	146.00	75.00	9.00	10.00	8.00
TOTAL COD	503.10	201.30	49.20	45.60	46.00
SOLUBLE COD	203.40	88.30	52.10	43.30	48.10
TOTL PHOSPHORUS	5.71			0.80	0.81
TKN	30.50			28.10	30.20
NH4+ - N	33.30			33.30	34.40
NO2- - N				0.10	
NO3- - N				0.17	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				17.00	2.00
TURBIDITY	162.00	163.00	14.60	11.90	13.00
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 95 SOL BOD 89 TOT SUSP SOL 96
TOT COD 91 SOL COD 76

DATE 5 13 76

HIGH TEMP 26.1 LOW TEMP 0.0 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.70				0.45
W W FLOW PEAK	1.20				0.60
W W TEMP	12.80	20.00	17.20	16.10	16.10
PH	6.90	7.00	7.80	7.80	7.70
DIS. OXYGEN	6.30	3.10	12.80	13.70	11.80
ALKALINITY	115.30	126.70	110.70	111.50	106.30
TOTAL BOD5	204.00	84.00	20.00	20.00	9.00
SOLUBLE BOD5	105.00	60.00	28.00	26.00	8.00
TOT SUSP SOLIDS	172.00	112.00	10.00	9.00	9.00
VOL SUSP SOLIDS	139.00	76.00	8.00	7.00	7.00
TOTAL COD	412.30	282.10	87.40	50.30	52.90
SOLUBLE COD	256.30	116.20	54.60	55.30	56.70
TOTL PHOSPHORUS	6.67			1.00	1.00
TKN	21.30			14.80	14.10
NH4+ - N	23.70			24.50	23.70
NO2- - N				0.10	
NO3- - N				0.21	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				17.00	2.00
TURBIDITY	156.00	127.00	14.80	11.40	12.50
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 96 SOL BOD 92 TOT SUSP SOL 95
TOT COD 87 SOL COD 78

DATE 5 14 76

HIGH TEMP 25.6 LOW TEMP 8.3 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.90				0.50
W W FLOW PEAK	1.50				0.70
W W TEMP	15.00	21.10	17.20	17.20	17.80
PH	6.80	7.10	7.80	7.90	7.80
DIS. OXYGEN	6.10	2.60	13.30	13.60	11.80
ALKALINITY	118.60	127.90	113.30	113.90	107.70
TOTAL BOD5	144.00	62.00	18.00	16.00	7.00
SOLUBLE BOD5	90.00	25.00	13.00	11.00	5.00
TOT SUSP SOLIDS	159.00	107.00	10.00	11.00	9.00
VOL SUSP SOLIDS	128.00	76.00	10.00	10.00	9.00
TOTAL COD	546.60	194.80	50.00	48.10	48.00
SOLUBLE COD	277.70	90.60	47.00	45.30	52.30
TOTL PHOSPHORUS	7.20			1.02	1.02
TKN	27.20			25.40	27.00
NH4+ - N	40.40			31.50	35.40
NO2- - N				0.10	
NO3- - N				0.22	
ALGAE CELL CNT		0.04	904.60	1188.30	910.20
FECAL COLIFORM				23.00	2.00
TURBIDITY	157.00	126.00	11.40	12.50	11.40
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 95 SOL BOD 94 TOT SUSP SOL 94
TOT COD 91 SOL COD 81

DATE 5 15 76

HIGH TEMP 30.6 LOW TEMP 14.4 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.40				0.35
W W FLOW PEAK	0.95				0.50
W W TEMP	17.80	22.20	18.90	18.90	18.90
PH	6.80	7.00	7.90	7.90	7.80
DIS. OXYGEN	6.70	2.30	12.00	12.80	12.60
ALKALINITY	122.00	131.90	112.30	112.10	107.70
TOTAL BOD5	175.00	65.00	38.00	40.00	23.00
SOLUBLE BOD5	135.00	80.00	44.00	41.00	12.00
TOT SUSP SOLIDS	87.00	112.00	13.00	16.00	15.00
VOL SUSP SOLIDS	71.00	78.00	12.00	13.00	12.00
TOTAL COD	514.80	317.50	53.10	54.30	58.70
SOLUBLE COD	242.20	*******	50.40	51.10	50.30
TOTL PHOSPHORUS	6.65			1.21	1.05
TKN	27.50			19.80	21.50
NH4+ - N	37.20			34.30	31.70
NO2- - N				0.10	
NO3- - N				0.23	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				17.00	2.00
TURBIDITY	135.00	138.00	11.40	10.90	10.40
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 87 SOL BOD 91 TOT SUSP SOL 83
TOT COD 89 SOL COD 79

DATE 5 16 76

HIGH TEMP 28.9 LOW TEMP 15.6 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.50				0.30
W W FLOW PEAK	0.85				0.50
W W TEMP	20.00	23.90	21.10	21.10	20.60
PH	6.70	7.00	7.80	7.90	7.80
DIS. OXYGEN	7.40	1.60	11.60	12.80	12.10
ALKALINITY	113.30	131.30	111.50	109.00	105.10
TOTAL BOD5	132.00	58.00	23.00	17.00	8.00
SOLUBLE BOD5	132.00	70.00	38.00	33.00	6.00
TOT SUSP SOLIDS	178.00	109.00	16.00	14.00	13.00
VOL SUSP SOLIDS	144.00	76.00	13.00	12.00	13.00
TOTAL COD	414.10	110.20	51.40	51.50	52.60
SOLUBLE COD	458.90	90.10	48.70	53.20	51.00
TOTL PHOSPHORUS	6.53			1.17	1.19
TKN	25.50			24.80	23.60
NH4+ - N	30.00			25.70	26.40
NO2- - N				0.10	
NO3- - N				0.42	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				350.00	2.00
TURBIDITY	137.00	135.00	21.80	16.50	16.20
CHLORINE RESID.					0.40

% REMOVAL TOT BOD 94 SOL BOD 95 TOT SUSP SOL 93
TOT COD 87 SOL COD 89

DATE 5 17 76

HIGH TEMP 24.4 LOW TEMP 13.3 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.90				0.55
W W FLOW PEAK	1.60				0.75
W W TEMP	21.00	22.20	22.20	22.20	22.80
PH	6.70	7.00	7.80	7.80	7.80
DIS. OXYGEN	6.00	2.80	12.00	14.00	13.00
ALKALINITY	102.40	139.00	112.90	111.90	107.90
TOTAL BODS	138.00	1.00	28.00	38.00	10.00
SOLUBLE BODS	48.00	41.00	16.00	11.00	6.00
TOT SUSP SOLIDS	187.00	114.00	17.00	21.00	14.00
VOL SUSP SOLIDS	155.00	79.00	16.00	19.00	14.00
TOTAL COD	537.80	178.90	53.50	58.30	57.30
SOLUBLE COD	214.60	105.60	49.50	74.50	49.60
TOTL PHOSPHORUS	4.98			1.21	1.15
TKN	19.50			19.60	14.40
NH4+ - N	14.20			14.50	14.20
NO2- - N				0.10	
NO3- - N				0.42	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				920.00	2.00
TURBIDITY	165.00	125.00	19.00	20.60	18.40
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 93 SOL BOD 88 TOT SUSP SOL 93
TOT COD 89 SOL COD 77

DATE 5 18 76

HIGH TEMP 10.6 LOW TEMP 10.6 RAIN 0.16 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.80				0.58
W W FLOW PEAK	1.90				0.78
W W TEMP	13.90	21.10	17.80	16.70	16.10
PH	6.90	7.00	8.00	8.00	7.90
DIS. OXYGEN	7.80	3.70	12.60	13.00	12.00
ALKALINITY	112.10	133.30	112.30	113.50	107.70
TOTAL BOD5	144.00	78.00	37.00	32.00	9.00
SOLUBLE BOD5	84.00	72.00	24.00	19.00	7.00
TOT SUSP SOLIDS	159.00	108.00	20.00	18.00	16.00
VOL SUSP SOLIDS	118.00	73.00	17.00	15.00	13.00
TOTAL COD	481.10	167.50	61.00	56.90	50.10
SOLUBLE COD	218.00	118.50	57.30	51.80	54.30
TOTL PHOSPHORUS	6.20			1.25	1.28
TKN	24.60			23.30	24.70
NH4+ - N	22.50			24.00	24.00
NO2- - N				0.10	
NO3- - N				0.46	
ALGAE CELL CNT		0.09	1711.30	2793.40	3597.60
FECAL COLIFORM				94.00	2.00
TURBIDITY	148.00	133.00	26.10	26.10	21.70
CHLORINE RESTD.					0.50

% REMOVAL TOT BOD 94 SOL BOD 92 TOT SUSP SOL 90
TOT COD 90 SOL COD 75

DATE 5 19 76

HIGH TEMP 8.9 LOW TEMP 3.3 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.20				0.60
W W FLOW PEAK	1.95				0.80
W W TEMP	12.20	19.40	15.00	14.40	13.90
PH	6.90	7.00	7.80	8.00	7.80
DIS. OXYGEN	8.30	3.60	11.80	11.80	10.90
ALKALINITY	100.20	135.90	111.20	110.60	104.00
TOTAL BOD5	138.00	74.00	22.00	17.00	8.00
SOLUBLE BOD5	105.00	77.00	29.00	22.00	10.00
TOT SUSP SOLIDS	125.00	116.00	22.00	20.00	18.00
VOL SUSP SOLIDS	92.00	79.00	16.00	16.00	14.00
TOTAL COD	330.90	237.20	66.70	63.50	62.40
SOLUBLE COD	190.70	100.30	52.50	51.80	57.90
TOTL PHOSPHORUS	4.65			1.30	1.44
TKN	21.20			24.20	22.60
NH4+ - N	22.60			23.40	24.20
NO2- - N				0.10	
NO3- - N				0.42	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				110.00	2.00
TURBIDITY	125.00	137.00	27.10	30.00	22.20
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 94 SOL BOD 90 TOT SUSP SOL 86
TOT COD 81 SOL COD 70

DATE 5 20 76

HIGH TEMP 23.9 LOW TEMP 4.4 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.20				0.45
W W FLOW PEAK	1.80				0.65
W W TEMP	15.00	20.00	16.10	17.20	17.20
PH	6.90	6.90	7.90	7.90	7.70
DIS. OXYGEN	7.30	3.50	12.00	12.00	10.80
ALKALINITY	110.20	136.10	110.80	110.40	86.00
TOTAL BOD5	216.00	80.00	48.00	49.00	14.00
SOLUBLE BOD5	150.00	96.00	51.00	52.00	14.00
TOT SUSP SOLIDS	163.00	112.00	24.00	20.00	17.00
VOL SUSP SOLIDS	115.00	75.00	18.00	16.00	15.00
TOTAL COD	403.00	181.70	55.50	55.00	59.20
SOLUBLE COD	194.50	119.50	54.30	*******	52.90
TOTL PHOSPHORUS	4.21			1.36	1.59
TKN	27.80			27.30	26.00
NH4+ - N	30.40			32.50	28.50
NO2- - N				0.10	
NO3- - N				0.42	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				240.00	2.00
TURBIDITY	178.00	130.00	27.10	27.10	21.10
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 94 SOL BOD 91 TOT SUSP SOL 90
TOT COD 85 SOL COD 73

DATE 5 21 76

HIGH TEMP 25.0 LOW TEMP 11.7 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.20				0.50
W W FLOW PEAK	1.70				0.80
W W TEMP	16.10	21.10	17.80	18.90	18.90
PH	6.80	7.00	7.90	7.90	7.70
DIS. OXYGEN	6.50	2.80	12.70	12.80	11.80
ALKALINITY	113.30	138.60	112.30	112.50	106.50
TOTAL BOD5	186.00	67.00	38.00	25.00	8.00
SOLUBLE BOD5	180.00	82.00	43.00	46.00	11.00
TOT SUSP SOLIDS	114.00	133.00	20.00	19.00	18.00
VOL SUSP SOLIDS	86.00	86.00	17.00	15.00	14.00
TOTAL COD	371.50	188.60	58.10	56.00	52.50
SOLUBLE COD	274.10	111.80	60.40	53.10	50.90
TOTL PHOSPHORUS	6.75			1.54	1.62
TKN	33.20			36.00	25.20
NH4+ - N	25.20			26.70	25.00
NO2- - N				0.10	
NO3- - N				0.47	
ALGAE CELL CNT		1.02	3606.60	1881.30	1555.30
FECAL COLIFORM				170.00	2.00
TURBIDITY	161.00	167.00	23.90	25.00	22.10
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 96 SOL BOD 94 TOT SUSP SOL 84
TOT COD 86 SOL COD 81

DATE 5 22 76

HIGH TEMP 26.1 LOW TEMP 4.4 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.70				0.60
W W FLOW PEAK	1.40				0.85
W W TEMP	12.80	21.70	17.20	16.10	15.60
PH	6.90	7.00	7.90	8.00	7.80
DIS. OXYGEN	8.40	2.00	13.50	14.10	12.20
ALKALINITY	124.60	142.70	115.40	113.50	107.40
TOTAL BOD5	240.00	72.00	41.00	44.00	16.00
SOLUBLE BOD5	126.00	72.00	26.00	24.00	11.00
TOT SUSP SOLIDS	88.00	117.00	20.00	21.00	19.00
VOL SUSP SOLIDS	70.00	83.00	19.00	20.00	18.00
TOTAL COD	441.00	202.20	64.00	63.50	64.20
SOLUBLE COD	205.50	103.60	57.70	55.90	59.20
TOTL PHOSPHORUS	7.10			1.52	1.47
TKN	30.80			24.20	24.20
NH4+ - N	31.70			29.70	28.60
NO2- - N				0.11	
NO3- - N				0.15	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				170.00	2.00
TURBIDITY	140.00	143.00	25.80	24.70	22.20
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 93 SOL BOD 91 TOT SUSP SOL 78
TOT COD 85 SOL COD 71

DATE 5 23 76

HIGH TEMP 23.9 LOW TEMP 3.3 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.90				0.80
W W FLOW PEAK	1.50				1.00
W W TEMP	13.90	22.20	17.20	17.20	17.20
PH	6.80	7.00	8.00	8.10	7.90
DIS. OXYGEN	8.20	3.60	13.60	13.60	11.40
ALKALINITY	120.30	144.90	117.20	115.60	111.00
TOTAL BOD5	204.00	65.00	39.00	42.00	13.00
SOLUBLE BOD5	162.00	67.00	31.00	26.00	10.00
TOT SUSP SOLIDS	170.00	135.00	24.00	28.00	21.00
VOL SUSP SOLIDS	138.00	92.00	22.00	25.00	20.00
TOTAL COD	458.00	164.50	62.50	64.60	71.30
SOLUBLE COD	182.40	94.10	50.90	52.70	53.90
TOTL PHOSPHORUS	7.06			1.52	1.61
TKN	28.10			27.00	26.40
NH4+ - N	37.10			26.50	25.60
NO2- - N				0.11	
NO3- - N				0.16	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				170.00	2.00
TURBIDITY	153.00	158.00	26.90	26.90	24.70
CHLORINE RESID.					0.40

% REMOVAL TOT BOD 94 SOL BOD 94 TOT SUSP SOL .88
TOT COD 84 SOL COD 70

DATE 5 24 76

HIGH TEMP 23.3 LOW TEMP 5.6 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.80				0.90
W W FLOW PEAK	1.50				1.05
W W TEMP	16.10	22.20	18.90	18.30	17.80
PH	6.90	7.00	8.00	8.10	8.00
DIS. OXYGEN	4.00	3.50	13.60	13.80	12.90
ALKALINITY	114.30	148.20	116.60	115.60	111.20
TOTAL BOD5	234.00	72.00	35.00	25.00	13.00
SOLUBLE BOD5	90.00	84.00	44.00	33.00	13.00
TOT SUSP SOLIDS	142.00	119.00	26.00	28.00	20.00
VOL SUSP SOLIDS	112.00	82.00	22.00	26.00	20.00
TOTAL COD	392.00	215.80	62.60	68.70	63.70
SOLUBLE COD	167.30	115.80	49.80	59.70	58.60
TOTL PHOSPHORUS	5.07			1.73	1.73
TKN	28.90			24.90	24.00
NH4+ - N	29.30			26.60	21.50
NO2- - N				0.11	
NO3- - N				0.17	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				*******	*******
TURBIDITY	137.00	147.00	30.50	30.50	25.50
CHLORINE RESID.					0.30

% REMOVAL TOT BOD 94 SOL BOD 86 TOT SUSP SOL 86
TOT COD 84 SOL COD 65

DATE 5 25 76

HIGH TEMP 15.0 LOW TEMP 6.1 RAIN 0.63 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.90				0.80
W W FLOW PEAK	1.60				0.90
W W TEMP	15.00	20.60	17.20	16.10	16.10
PH	6.80	7.10	8.10	8.20	8.00
DIS. OXYGEN	8.80	2.60	13.40	13.50	12.40
ALKALINITY	126.00	143.90	113.10	113.90	107.80
TOTAL BOD5	240.00	72.00	41.00	48.00	18.00
SOLUBLE BOD5	120.00	71.00	29.00	23.00	12.00
TOT SUSP SOLIDS	273.00	119.00	29.00	29.00	27.00
VOL SUSP SOLIDS	203.00	79.00	23.00	23.00	21.00
TOTAL COD	486.70	155.60	70.20	68.70	72.40
SOLUBLE COD	251.80	97.80	49.20	44.20	74.80
TOTL PHOSPHORUS	9.77			1.65	1.73
TKN	33.70			25.60	26.50
NH4+ - N	34.30			26.40	24.10
NO2- - N				0.13	
NO3- - N				0.15	
ALGAE CELL CNT		0.46	83.84	90.28	76.79
FECAL COLIFORM				130.00	2.00
TURBIDITY	290.00	151.00	31.10	31.10	25.80
CHLORINE RESID.					0.40

% REMOVAL TOT BOD 93 SOL BOD 90 TOT SUSP SOL 90
TOT COD 85 SOL COD 70

DATE 5·26 76

HIGH TEMP 18.3 LOW TEMP 8.3 RAIN 0.16 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.60				0.75
W W FLOW PEAK	1.20				0.81
W W TEMP	15.00	21.10	17.80	17.20	17.20
PH	6.90	7.10	8.00	8.10	7.80
DIS. OXYGEN	7.00	3.00	12.20	12.60	11.40
ALKALINITY	111.70	151.30	118.40	117.20	111.30
TOTAL BOD5	284.00	78.00	46.00	48.00	18.00
SOLUBLE BOD5	159.00	86.00	49.00	49.00	17.00
TOT SUSP SOLIDS	193.00	116.00	25.00	26.00	23.00
VOL SUSP SOLIDS	150.00	84.00	25.00	26.00	21.00
TOTAL COD	412.80	194.80	66.40	66.90	68.10
SOLUBLE COD	142.80	123.40	48.90	48.60	61.10
TOTL PHOSPHORUS	5.07			1.86	1.73
TKN	24.20			24.20	18.80
NH4+ - N	41.70			37.10	40.30
NO2- - N				0.13	
NO3- - N				0.17	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				110.00	2.00
TURBIDITY	179.00	156.00	25.80	26.90	24.70
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 94 SOL BOD 89 TOT SUSP SOL 88
TOT COD 84 SOL COD 57

DATE 5 27 76

HIGH TEMP 27.2 LOW TEMP 5.0 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.70				0.75
W W FLOW PEAK	1.20				0.85
W W TEMP	15.60	22.20	16.70	16.10	16.10
PH	6.90	7.10	8.10	8.10	7.80
DIS. OXYGEN	6.20	3.40	12.80	12.80	11.60
ALKALINITY	124.00	137.10	119.10	118.40	111.70
TOTAL BOD5	378.00	97.00	50.00	50.00	22.00
SOLUBLE BOD5	189.00	94.00	46.00	43.00	16.00
TOT SUSP SOLIDS	180.00	113.00	28.00	27.00	24.00
VOL SUSP SOLIDS	143.00	76.00	23.00	21.00	19.00
TOTAL COD	423.40	256.00	70.40	74.80	70.10
SOLUBLE COD	184.60	105.60	57.30	55.70	59.60
TOTL PHOSPHORUS	6.68			1.80	1.80
TKN	30.70			24.40	23.90
NH4+ - N	33.80			29.60	26.70
NO2- - N				0.13	
NO3- - N				0.17	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				70.00	2.00
TURBIDITY	205.00	138.00	25.50	29.70	25.80
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 94 SOL BOD 92 TOT SUSP SOL 87
TOT COD 83 SOL COD 68

DATE 5 28 76

HIGH TEMP 26.7 LOW TEMP 5.6 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.65				0.45
W W FLOW PEAK	1.10				0.65
W W TEMP	15.60	20.00	17.80	17.80	17.80
PH	6.90	7.10	8.10	8.20	7.90
DIS. OXYGEN	6.80	4.10	14.00	14.20	12.80
ALKALINITY	114.10	150.00	111.70	117.60	105.10
TOTAL BOD5	276.00	72.00	42.00	44.00	17.00
SOLUBLE BOD5	192.00	89.00	40.00	44.00	14.00
TOT SUSP SOLIDS	165.00	90.00	32.00	38.00	23.00
VOL SUSP SOLIDS	129.00	71.00	27.00	27.00	22.00
TOTAL COD	437.20	197.70	85.40	74.10	73.10
SOLUBLE COD	267.90	103.50	57.20	55.90	73.80
TOTL PHOSPHORUS	7.83			2.30	2.02
TKN	30.40			27.70	23.90
NH4+ - N	31.50			26.50	27.40
NO2- - N				0.15	
NO3- - N				0.18	
ALGAE CELL CNT		2.11	127.26	122.85	109.72
FECAL COLIFORM				220.00	2.00
TURBIDITY	200.00	166.00	40.80	31.10	26.90
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 94 SOL BOD 93 TOT SUSP SOL 86
TOT COD 83 SOL COD 72

DATE 5 29 76

HIGH TEMP 18.9 LOW TEMP 11.1 RAIN 0.16 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.50				0.65
W W FLOW PEAK	1.00				0.75
W W TEMP	16.70	22.80	18.90	18.90	18.90
PH	6.80	7.00	8.20	8.30	8.00
DIS. OXYGEN	7.60	4.40	13.70	13.80	13.40
ALKALINITY	124.80	155.20	120.10	118.00	106.90
TOTAL BOD5	312.00	72.00	41.00	41.00	13.00
SOLUBLE BOD5	165.00	88.00	48.00	48.00	13.00
TOT SUSP SOLIDS	218.00	105.00	32.00	30.00	25.00
VOL SUSP SOLIDS	174.00	76.00	28.00	29.00	25.00
TOTAL COD	314.00	205.80	81.20	82.40	*******
SOLUBLE COD	218.80	94.50	62.70	53.70	60.80
TOTL PHOSPHORUS	7.87			1.96	2.06
TKN	35.00			32.50	39.00
NH4+ - N	33.40			27.30	24.80
NO2- - N				0.15	
NO3- - N				0.17	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				170.00	2.00
TURBIDITY	174.00	138.00	35.10	33.00	25.50
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 96 SOL BOD 92 TOT SUSP SOL 89
TOT COD**** SOL COD 72

DATE 5 30 76

HIGH TEMP 30.0 LOW TEMP 15.6 RAIN 0.08 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.55				0.90
W W FLOW PEAK	1.30				0.99
W W TEMP	17.20	22.80	18.90	18.90	18.30
PH	6.80	7.10	8.10	8.20	8.00
DIS. OXYGEN	7.20	2.80	11.30	11.60	11.30
ALKALINITY	115.60	152.90	118.40	118.20	115.60
TOTAL BOD5	246.00	76.00	41.00	47.00	16.00
SOLUBLE BOD5	132.00	88.00	46.00	41.00	14.00
TOT SUSP SOLIDS	150.00	57.00	32.00	32.00	17.00
VOL SUSP SOLIDS	125.00	46.00	32.00	30.00	17.00
TOTAL COD	252.40	168.10	68.00	70.50	*******
SOLUBLE COD	176.90	114.00	51.60	64.60	50.00
TOTL PHOSPHORUS	7.71			2.06	2.44
TKN	35.20			30.80	28.50
NH4+ - N	34.10			34.10	31.90
NO2- - N				0.17	
NO3- - N				0.17	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				540.00	2.00
TURBIDITY	180.00	157.00	34.50	33.50	28.90
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 93 SOL BOD 89 TOT SUSP SOL 89
TOT COD**** SOL COD 72

DATE 6 9 76

HIGH TEMP 31.1 LOW TEMP 11.1 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.90				1.03
W W FLOW PEAK	1.40				1.30
W W TEMP	18.90	25.00	22.80	22.80	22.80
PH	6.90	7.20	8.00	8.00	8.00
DIS. OXYGEN	5.90	2.80	8.80	9.40	8.40
ALKALINITY	113.90	171.00	130.50	133.60	128.50
TOTAL BOD5	168.00	56.00	21.00	19.00	12.00
SOLUBLE BOD5	69.00	42.00	8.00	7.00	5.00
TOT SUSP SOLIDS	186.00	145.00	32.00	35.00	28.00
VOL SUSP SOLIDS	150.00	94.00	28.00	30.00	26.00
TOTAL COD	485.80	217.90	70.90	67.60	64.60
SOLUBLE COD	215.10	96.60	52.80	75.50	52.40
TOTL PHOSPHORUS	*******			2.87	*******
TKN	31.50			29.10	29.40
NH4+ - N	29.30			26.60	26.20
NO2- - N				0.36	
NO3- - N				0.15	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				920.00	2.00
TURBIDITY	208.00	190.00	35.50	36.20	28.40
CHLORINE RESID.					0.40

% REMOVAL TOT BOD 93 SOL BOD 93 TOT SUSP SOL 85
TOT COD 87 SOL COD 76

DATE 6 10 76

HIGH TEMP 34.4 LOW TEMP 16.7 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.70				0.55
W W FLOW PEAK	1.30				1.03
W W TEMP	18.90	26.10	22.80	22.80	22.80
PH	6.80	7.20	7.90	8.00	7.90
DIS. OXYGEN	7.20	2.20	7.60	8.30	8.00
ALKALINITY	115.40	182.70	134.60	133.60	130.70
TOTAL BOD5	138.00	61.00	41.00	41.00	21.00
SOLUBLE BOD5	93.00	32.00	13.00	12.00	7.00
TOT SUSP SOLIDS	134.00	78.00	27.00	28.00	21.00
VOL SUSP SOLIDS	104.00	59.00	22.00	25.00	18.00
TOTAL COD	357.90	151.90	75.70	67.80	66.60
SOLUBLE COD	207.00	103.40	56.10	90.10	54.70
TOTL PHOSPHORUS	*******			3.30	*******
TKN	36.70			29.80	28.80
NH4+ - N	28.70			27.80	27.00
NO2- - N				0.47	
NO3- - N				0.10	
ALGAE CELL CNT		0.83	49.62	11.48	26.69
FECAL COLIFORM				1600.00	2.00
TURBIDITY	168.00	150.00	36.70	38.20	36.70
CHLORINE RESID.					0.20

% REMOVAL TOT BOD 85 SOL BOD 92 TOT SUSP SOL 84
TOT COD 81 SOL COD 74

DATE 6 11 76

HIGH TEMP 30.0 LOW TEMP 14.4 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.55				0.40
W W FLOW PEAK	1.03				0.70
W W TEMP	18.30	26.10	24.40	25.00	24.40
PH	6.90	7.20	7.70	7.80	7.70
DIS. OXYGEN	7.30	2.40	7.00	7.10	8.00
ALKALINITY	116.80	184.50	141.20	137.90	131.80
TOTAL BOD5	198.00	70.00	43.00	47.00	15.00
SOLUBLE BOD5	105.00	36.00	12.00	9.00	9.00
TOT SUSP SOLIDS	173.00	153.00	22.00	21.00	18.00
VOL SUSP SOLIDS	136.00	98.00	19.00	19.00	18.00
TOTAL COD	873.20	202.20	61.90	54.10	53.60
SOLUBLE COD	160.50	116.80	55.10	53.60	51.80
TOTL PHOSPHORUS	*******			3.97	*******
TKN	33.00			27.30	25.70
NH4+ - N	26.30			24.80	24.80
NO2- - N				0.52	
NO3- - N				0.10	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				350.00	2.00
TURBIDITY	215.00	260.00	32.70	31.60	30.50
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 92 SOL BOD 91 TOT SUSP SOL 90
TOT COD 94 SOL COD 68

DATE 6 12 76

HIGH TEMP 35.6 LOW TEMP 15.6 RAIN 0.16 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.70				0.60
W W FLOW PEAK	1.20				0.85
W W TEMP	17.80	25.60	25.00	23.90	23.90
PH	6.70	7.20	7.50	7.60	7.50
DIS. OXYGEN	8.40	2.70	6.30	4.20	5.60
ALKALINITY	117.00	144.10	128.10	131.30	126.00
TOTAL BOD5	246.00	70.00	42.00	47.00	19.00
SOLUBLE BOD5	117.00	42.00	15.00	11.00	8.00
TOT SUSP SOLIDS	208.00	124.00	20.00	20.00	18.00
VOL SUSP SOLIDS	151.00	80.00	16.00	17.00	16.00
TOTAL COD	223.90	165.40	53.70	48.80	47.40
SOLUBLE COD	177.20	88.50	44.30	44.20	*******
TOTL PHOSPHORUS	*******			3.40	*******
TKN	33.30			28.90	26.30
NH4+ - N	35.60			32.50	29.50
NO2- - N				0.55	
NO3- - N				0.10	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				130.00	2.00
TURBIDITY	160.00	169.00	22.70	21.70	21.70
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 92 SOL BOD 93 TOT SUSP SOL 91
TOT COD 79 SOL COD****

DATE 6 13 76

HIGH TEMP 26.7 LOW TEMP 13.9 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.60				0.85
W W FLOW PEAK	0.90				0.95
W W TEMP	20.00	27.20	23.90	22.80	22.80
PH	6.80	7.20	7.60	7.60	7.50
DIS. OXYGEN	5.80	2.20	4.70	5.60	5.00
ALKALINITY	116.00	187.60	142.90	141.80	137.50
TOTAL BOD5	156.00	68.00	38.00	41.00	16.00
SOLUBLE BOD5	105.00	50.00	12.00	11.00	8.00
TOT SUSP SOLIDS	110.00	91.00	15.00	9.00	11.00
VOL SUSP SOLIDS	93.00	62.00	9.00	5.00	9.00
TOTAL COD	275.60	218.40	52.20	49.60	53.90
SOLUBLE COD	194.20	90.10	65.20	42.60	61.60
TOTL PHOSPHORUS	*******			3.40	*******
TKN	36.80			37.80	38.50
NH4+ - N	34.60			38.20	39.50
NO2- - N				0.52	
NO3- - N				0.10	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				33.00	2.00
TURBIDITY	152.00	230.00	25.30	25.30	22.70
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 90 SOL BOD 92 TOT SUSP SOL 90
TOT COD 80 SOL COD 66

DATE 6 14 76

HIGH TEMP 30.0 LOW TEMP 16.7 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.95				0.95
W W FLOW PEAK	1.30				1.00
W W TEMP	18.90	26.10	24.40	23.90	23.90
PH	6.90	7.10	7.50	7.60	7.50
DIS. OXYGEN	5.20	2.70	6.00	6.00	6.90
ALKALINITY	123.80	190.30	147.40	146.80	141.40
TOTAL BOD5	150.00	83.00	46.00	45.00	13.00
SOLUBLE BOD5	99.00	74.00	30.00	13.00	8.00
TOT SUSP SOLIDS	113.00	157.00	14.00	10.00	11.00
VOL SUSP SOLIDS	90.00	95.00	9.00	8.00	7.00
TOTAL COD	307.30	205.30	45.10	39.20	43.20
SOLUBLE COD	165.30	96.50	44.90	50.90	51.00
TOTL PHOSPHORUS	*******			3.65	*******
TKN	34.30			41.60	37.40
NH4+ - N	22.90			31.30	26.60
NO2- - N				0.38	
NO3- - N				0.10	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				17.00	2.00
TURBIDITY	135.00	270.00	17.50	17.00	17.50
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 91 SOL BOD 92 TOT SUSP SOL 90
TOT COD 86 SOL COD 69

DATE 6 15 76

HIGH TEMP 36.7 LOW TEMP 18.9 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.70				0.85
W W FLOW PEAK	1.20				1.00
W W TEMP	22.20	26.10	25.00	25.00	25.00
PH	6.70	7.10	7.60	7.60	7.60
DIS. OXYGEN	6.00	2.10	7.00	6.80	6.50
ALKALINITY	127.70	190.90	149.90	149.40	144.30
TOTAL BOD5	216.00	76.00	38.00	44.00	20.00
SOLUBLE BOD5	135.00	47.00	16.00	13.00	11.00
TOT SUSP SOLIDS	185.00	114.00	3.00	4.00	3.00
VOL SUSP SOLIDS	152.00	78.00	3.00	4.00	3.00
TOTAL COD	493.60	169.70	47.20	44.10	39.70
SOLUBLE COD	209.40	118.20	47.00	42.40	39.50
TOTL PHOSPHORUS	8.12			3.45	3.75
TKN	33.40			34.90	35.40
NH4+ - N	32.60			35.60	32.50
NO2- - N				0.35	
NO3- - N				0.10	
ALGAE CELL CNT		1.02	25.92	22.46	19.89
FECAL COLIFORM				49.00	2.00
TURBIDITY	201.00	180.00	12.60	17.00	11.90
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 91 SOL BOD 92 TOT SUSP SOL 98
TOT COD 92 SOL COD 81

DATE 7 5 76

HIGH TEMP 32.2 LOW TEMP 12.8 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.60				0.70
W W FLOW PEAK	1.40				1.00
W W TEMP	17.80	25.00	22.20	22.20	22.20
PH	6.80	7.10	7.60	7.70	7.60
DIS. OXYGEN	7.80	3.40	8.00	7.80	8.10
ALKALINITY	114.30	183.90	208.60	207.50	202.50
TOTAL BOD5	138.00	46.00	16.00	14.00	8.00
SOLUBLE BOD5	57.00	28.00	13.00	11.00	8.00
TOT SUSP SOLIDS	79.00	72.00	12.00	8.00	7.00
VOL SUSP SOLIDS	56.00	47.00	11.00	7.00	7.00
TOTAL COD	453.10	199.30	70.10	62.90	63.30
SOLUBLE COD	165.20	71.30	61.30	64.30	52.40
TOTL PHOSPHORUS	3.37			4.62	4.82
TKN	36.40			60.60	73.30
NH4+ - N	31.50			63.40	79.90
NO2- - N				0.15	
NO3- - N				0.10	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				4.00	2.00
TURBIDITY	136.00	112.00	19.60	19.10	19.60
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 94 SOL BOD 86 TOT SUSP SOL 91
TOT COD 86 SOL COD 68

DATE 7 6 76

HIGH TEMP 31.1 LOW TEMP 12.2 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.80				1.10
W W FLOW PEAK	1.50				1.15
W W TEMP	18.90	25.00	22.80	23.30	22.80
PH	6.80	7.20	7.70	7.80	7.70
DIS. OXYGEN	6.90	4.30	8.80	8.50	8.70
ALKALINITY	117.70	172.00	183.70	182.90	180.60
TOTAL BODS	126.00	38.00	17.00	16.00	8.00
SOLUBLE BODS	69.00	28.00	10.00	9.00	5.00
TOT SUSP SOLIDS	163.00	67.00	7.00	7.00	6.00
VOL SUSP SOLIDS	121.00	45.00	7.00	7.00	6.00
TOTAL COD	596.20	195.70	70.30	54.10	53.90
SOLUBLE COD	237.30	100.30	61.70	51.70	51.80
TOTL PHOSPHORUS	7.93			4.91	4.94
TKN	30.20			36.60	38.20
NH4+ - N	25.80			37.90	36.60
NO2- - N				0.24	
NO3- - N				0.10	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				33.00	2.00
TURBIDITY	196.00	103.00	15.20	16.80	16.30
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 94 SOL BOD 93 TOT SUSP SOL 96
TOT COD 91 SOL COD 78

DATE 7 7 76

HIGH TEMP 28.3 LOW TEMP 17.8 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.90				0.95
W W FLOW PEAK	1.40				1.05
W W TEMP	20.60	25.60	23.90	23.90	23.90
PH	6.70	7.10	7.70	7.80	7.70
DIS. OXYGEN	6.80	2.70	8.30	8.40	8.40
ALKALINITY	116.40	157.20	181.60	181.40	179.70
TOTAL BOD5	168.00	38.00	25.00	19.00	8.00
SOLUBLE BOD5	93.00	29.00	8.00	8.00	5.00
TOT SUSP SOLIDS	143.00	60.00	9.00	10.00	7.00
VOL SUSP SOLIDS	104.00	39.00	7.00	10.00	6.00
TOTAL COD	375.40	97.30	73.10	75.20	71.00
SOLUBLE COD	137.20	53.70	65.70	63.10	62.10
TOTL PHOSPHORUS	7.87			4.82	4.91
TKN	29.60			35.30	30.70
NH4+ - N	25.40			34.80	36.60
NO2- - N				0.30	
NO3- - N				0.10	
ALGAE CELL CNT		0.09	2.61	1.61	1.35
FECAL COLIFORM				13.00	2.00
TURBIDITY	176.00	92.00	27.90	22.10	17.30
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 95 SOL BOD 95 TOT SUSP SOL 95
TOT COD 81 SOL COD 55

DATE 7 8 76

HIGH TEMP 26.7 LOW TEMP 15.6 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.90				1.00
W W FLOW PEAK	1.60				1.13
W W TEMP	20.00	25.60	23.30	23.30	22.80
PH	6.70	7.10	7.80	7.80	7.70
DIS. OXYGEN	8.30	4.40	8.10	7.80	8.00
ALKALINITY	118.30	157.40	176.40	179.10	177.00
TOTAL BODS	168.00	43.00	23.00	20.00	10.00
SOLUBLE BODS	96.00	24.00	8.00	7.00	7.00
TOT SUSP SOLIDS	200.00	59.00	13.00	12.00	10.00
VOL SUSP SOLIDS	141.00	36.00	12.00	10.00	10.00
TOTAL COD	500.30	220.70	84.30	67.60	65.90
SOLUBLE COD	235.70	103.70	71.70	70.30	67.30
TOTL PHOSPHORUS	7.25			4.73	4.87
TKN	27.60			34.60	37.10
NH4+ - N	29.50			34.80	36.80
NO2- - N				0.43	
NO3- - N				0.10	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				8.00	2.00
TURBIDITY	231.00	82.00	18.40	20.00	16.80
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 94 SOL BOD 93 TOT SUSP SOL 95
TOT COD 87 SOL COD 71

DATE 7 9 76

HIGH TEMP 33.3 LOW TEMP 16.7 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.00				1.05
W W FLOW PEAK	1.60				1.10
W W TEMP	22.20	25.00	24.40	23.90	24.40
PH	6.70	7.10	7.70	7.80	7.70
DIS. OXYGEN	4.20	3.70	8.10	7.80	8.20
ALKALINITY	121.60	159.50	177.40	169.30	176.20
TOTAL BOD5	138.00	36.00	38.00	31.00	11.00
SOLUBLE BOD5	72.00	22.00	7.00	6.00	6.00
TOT SUSP SOLIDS	158.00	70.00	10.00	8.00	9.00
VOL SUSP SOLIDS	120.00	45.00	10.00	8.00	9.00
TOTAL COD	485.80	219.90	70.90	67.60	64.60
SOLUBLE COD	215.10	96.60	52.80	75.50	52.44
TOTL PHOSPHORUS	5.82			4.64	4.62
TKN	27.20			33.50	31.30
NH4+ - N	28.20			23.80	23.40
NO2- - N				0.52	
NO3- - N				0.10	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				14.00	2.00
TURBIDITY	145.00	84.00	16.80	17.90	15.70
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 92 SOL BOD 92 TOT SUSP SOL 94
TOT COD 87 SOL COD 76

DATE 7 10 76

HIGH TEMP 23.9 LOW TEMP 11.1 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.80				1.00
W W FLOW PEAK	1.30				1.10
W W TEMP	18.90	25.00	22.20	21.10	22.20
PH	6.80	7.20	7.80	7.90	7.80
DIS. OXYGEN	7.80	2.00	10.70	10.90	10.40
ALKALINITY	132.70	156.10	182.50	176.00	171.80
TOTAL BOD5	180.00	50.00	42.00	26.00	5.00
SOLUBLE BOD5	81.00	34.00	32.00	10.00	5.00
TOT SUSP SOLIDS	94.00	46.00	8.00	6.00	6.00
VOL SUSP SOLIDS	68.00	30.00	8.00	6.00	6.00
TOTAL COD	436.60	99.20	54.10	50.90	49.90
SOLUBLE COD	178.70	91.60	47.10	48.30	44.40
TOTL PHOSPHORUS	8.07			4.67	7.73
TKN	32.20			34.10	29.60
NH4+ - N	32.10			37.50	34.40
NO2- - N				0.59	
NO3- - N				0.10	
ALGAE CELL CNT		0.81	132.30	2.06	1.77
FECAL COLIFORM				17.00	2.00
TURBIDITY	187.00	81.00	21.70	20.50	20.50
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 97 SOL BOD 94 TOT SUSP SOL 94
TOT COD 89 SOL COD 75

DATE 7-11 76

HIGH TEMP 31.7 LOW TEMP 13.9 RAIN 5.08 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.10				1.00
W W FLOW PEAK	2.00				1.20
W W TEMP	23.90	26.10	23.90	23.90	23.90
PH	6.70	7.20	7.70	7.70	7.60
DIS. OXYGEN	7.80	4.20	8.10	7.70	8.40
ALKALINITY	122.70	154.20	173.50	171.80	162.40
TOTAL BOD5	132.00	44.00	25.00	24.00	11.00
SOLUBLE BOD5	75.00	23.00	10.00	8.00	7.00
TOT SUSP SOLIDS	92.00	53.00	9.00	7.00	7.00
VOL SUSP SOLIDS	69.00	33.00	8.00	7.00	7.00
TOTAL COD	305.40	107.20	47.70	46.50	46.40
SOLUBLE COD	163.50	83.50	45.10	49.70	45.60
TOTL PHOSPHORUS	6.37			4.55	4.77
TKN	30.50			32.10	30.40
NH4+ - N	27.30			32.70	33.90
NO2- - N				0.70	
NO3- - N				0.10	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				70.00	2.00
TURBIDITY	142.00	80.00	19.80	21.70	21.70
CHLORINE RESID.					0.40

% REMOVAL TOT BOD 92 SOL BOD 91 TOT SUSP SOL 92
TOT COD 85 SOL COD 72

DATE 7 12 76

HIGH TEMP 20.0 LOW TEMP 18.3 RAIN 2.54 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.40				1.15
W W FLOW PEAK	1.00				1.40
W W TEMP	22.80	25.00	22.80	22.80	22.20
PH	6.60	7.20	7.70	7.80	7.70
DIS. OXYGEN	8.70	3.20	7.50	7.20	7.70
ALKALINITY	52.50	108.90	168.20	171.20	171.40
TOTAL BOD5	78.00	50.00	19.00	37.00	14.00
SOLUBLE BOD5	54.00	26.00	8.00	8.00	5.00
TOT SUSP SOLIDS	110.00	61.00	9.00	11.00	11.00
VOL SUSP SOLIDS	23.00	23.00	9.00	10.00	11.00
TOTAL COD	262.30	108.20	51.70	51.20	50.30
SOLUBLE COD	52.40	79.10	46.90	50.30	48.80
TOTL PHOSPHORUS	3.20			4.46	4.13
TKN	11.50			29.10	26.40
NH4+ - N	7.42			26.80	27.70
NO2- - N				0.74	
NO3- - N				0.10	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				21.00	4.00
TURBIDITY	294.00	79.00	17.10	19.30	16.90
CHLORINE RESID.					0.30

% REMOVAL TOT BOD 82 SOL BOD 91 TOT SUSP SOL 90
TOT COD 81 SOL COD 7

DATE 7 13 76

HIGH TEMP 24.4 LOW TEMP 15.0 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.40				1.00
W W FLOW PEAK	0.50				1.45
W W TEMP	20.00	22.80	21.10	21.10	21.10
PH	6.20	7.20	7.70	7.80	7.60
DIS. OXYGEN	11.00	3.00	8.50	8.10	8.80
ALKALINITY	51.60	151.30	171.20	170.10	167.00
TOTAL BOD5	12.00	54.00	44.00	23.00	9.00
SOLUBLE BOD5	48.00	23.00	8.00	8.00	5.00
TOT SUSP SOLIDS	0.01	51.00	13.00	10.00	12.00
VOL SUSP SOLIDS	24.00	33.00	10.00	5.00	9.00
TOTAL COD	281.33	124.40	54.10	49.70	49.80
SOLUBLE COD	45.90	77.40	52.10	49.70	46.60
TOTL PHOSPHORUS	4.59			4.52	4.63
TKN	28.60			33.80	30.70
NH4+ - N	30.90			36.40	36.40
NO2- - N				0.72	
NO3- - N				0.10	
ALGAE CELL CNT		0.58	2.52	102.46	2.36
FECAL COLIFORM				17.00	2.00
TURBIDITY	61.00	77.00	16.10	17.10	14.30
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 25 SOL BOD 90 TOT SUSP SOL****
TOT COD 82 SOL COD -1

DATE 7 14 76

HIGH TEMP 27.8 LOW TEMP 11.1 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.00				0.75
W W FLOW PEAK	1.70				1.10
W W TEMP	17.20	22.20	22.20	22.20	21.10
PH	6.20	7.10	7.80	7.80	7.70
DIS. OXYGEN	11.10	4.60	9.80	9.60	9.70
ALKALINITY	23.20	144.80	166.40	170.30	163.20
TOTAL BOD5	60.00	62.00	45.00	49.00	22.00
SOLUBLE BOD5	66.00	28.00	9.00	12.00	8.00
TOT SUSP SOLIDS	95.00	50.00	12.00	12.00	12.00
VOL SUSP SOLIDS	48.00	30.00	10.00	10.00	12.00
TOTAL COD	299.70	94.10	51.90	49.90	48.40
SOLUBLE COD	138.40	59.50	50.50	50.80	49.00
TOTL PHOSPHORUS	2.85			4.52	4.63
TKN	*******			*******	32.90
NH4+ - N	15.60			33.80	32.70
NO2- - N				0.74	
NO3- - N				0.10	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				2.00	2.00
TURBIDITY	67.00	68.00	14.70	14.30	14.70
CHLORINE RESID.					0.30

% REMOVAL TOT BOD 63 SOL BOD 86 TOT SUSP SOL 87
TOT COD 84 SOL COD 65

DATE 7 15 76

HIGH TEMP 33.3 LOW TEMP 17.2 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.20				0.75
W W FLOW PEAK	1.80				0.80
W W TEMP	20.00	23.90	23.90	23.90	23.90
PH	6.50	7.10	7.80	7.80	7.70
DIS. OXYGEN	9.20	3.80	9.40	9.20	9.40
ALKALINITY	52.00	143.20	139.00	165.50	162.20
TOTAL BOD5	72.00	59.00	32.00	19.00	11.00
SOLUBLE BOD5	84.00	77.00	45.00	16.00	9.00
TOT SUSP SOLIDS	117.00	53.00	10.00	8.00	9.00
VOL SUSP SOLIDS	80.00	32.00	10.00	8.00	9.00
TOTAL COD	226.40	128.50	53.70	49.50	47.60
SOLUBLE COD	119.50	75.30	54.20	50.20	49.50
TOTL PHOSPHORUS	3.25			4.46	4.55
TKN	10.70			31.60	27.80
NH4+ - N	11.20			36.10	36.10
NO2- - N				0.91	
NO3- - N				0.10	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				13.00	2.00
TURBIDITY	108.00	87.00	16.10	13.90	13.90
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 85 SOL BOD 89 TOT SUSP SOL 92
TOT COD 79 SOL COD 59

DATE 7 16 76

HIGH TEMP 27.8 LOW TEMP 18.9 RAIN 7.62 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.80				1.00
W W FLOW PEAK	3.00				1.60
W W TEMP	20.00	25.00	23.90	23.90	23.90
PH	6.70	7.20	7.80	7.80	7.80
DIS. OXYGEN	9.30	3.00	8.50	8.60	8.90
ALKALINITY	54.50	132.70	161.60	162.60	145.00
TOTAL BOD5	48.00	56.00	30.00	28.00	29.00
SOLUBLE BOD5	3.00	6.00	4.00	4.00	4.00
TOT SUSP SOLIDS	184.00	44.00	11.00	12.00	13.00
VOL SUSP SOLIDS	81.00	24.00	9.00	8.00	11.00
TOTAL COD	234.60	85.20	55.40	53.50	50.30
SOLUBLE COD	186.20	58.10	53.20	54.80	48.90
TOTL PHOSPHORUS	3.98			4.37	4.52
TKN	11.60			31.20	29.10
NH4+ - N	11.50			34.40	34.50
NO2- - N				1.02	
NO3- - N				0.10	
ALGAE CELL CNT		0.61	2.64	2.95	2.53
FECAL COLIFORM				26.00	2.00
TURBIDITY	141.00	72.00	16.10	20.10	26.70
CHLORINE RESID.					0.20

% REMOVAL TOT BOD 40 SOL BOD -32 TOT SUSP SOL 93
TOT COD 79 SOL COD 74

DATE 7-17 76

HIGH TEMP 26.7 LOW TEMP 14.4 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.70				1.60
W W FLOW PEAK	2.50				1.95
W W TEMP	18.30	24.40	22.80	22.80	22.80
PH	6.40	7.10	7.60	7.70	7.70
DIS. OXYGEN	10.60	1.80	8.00	7.80	8.20
ALKALINITY	18.80	123.90	162.40	161.60	159.50
TOTAL BOD5	36.00	56.00	20.00	40.00	16.00
SOLUBLE BOD5	42.00	22.00	8.00	8.00	6.00
TOT SUSP SOLIDS	56.00	44.00	11.00	8.00	9.00
VOL SUSP SOLIDS	33.00	28.00	9.00	3.00	3.00
TOTAL COD	256.17	65.40	50.40	49.50	48.75
SOLUBLE COD	132.49	38.90	49.40	48.20	52.15
TOTL PHOSPHORUS	0.27			4.27	4.68
TKN	5.60			29.60	27.60
NH4+ - N	5.08			31.50	33.30
NO2- - N				1.02	
NO3- - N				0.10	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				7.00	2.00
TURBIDITY	56.00	81.00	13.90	14.30	15.20
CHLORINE RESID.					0.30

% REMOVAL TOT BOD 56 SOL BOD 86 TOT SUSP SOL 84
TOT COD 81 SOL COD 61

DATE 7 18 76

HIGH TEMP 31.7 LOW TEMP 9.4 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.90				1.95
W W FLOW PEAK	1.60				2.00
W W TEMP	17.20	22.20	21.10	21.10	20.00
PH	6.60	7.10	7.80	7.80	7.80
DIS. OXYGEN	10.20	1.70	8.10	8.90	9.70
ALKALINITY	57.90	113.50	160.70	162.00	75.70
TOTAL BODS	120.00	74.00	47.00	45.00	20.00
SOLUBLE BODS	57.00	16.00	12.00	9.00	5.00
TOT SUSP SOLIDS	138.00	40.00	12.00	12.00	12.00
VOL SUSP SOLIDS	99.00	24.00	11.00	11.00	11.00
TOTAL COD	254.50	70.80	50.60	47.30	41.80
SOLUBLE COD	203.80	34.20	52.60	44.80	40.20
TOTL PHOSPHORUS	4.37			4.52	4.52
TKN	15.60			34.50	34.20
NH4+ - N	14.60			33.90	36.80
NO2- - N				0.92	
NO3- - N				0.10	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				14.00	2.00
TURBIDITY	131.00	57.00	18.30	15.20	15.80
CHLORINE RESID.					0.40

% REMOVAL TOT BOD 83 SOL BOD 91 TOT SUSP SOL 91
TOT COD 84 SOL COD 80

DATE 7 19 76

HIGH TEMP 33.3 LOW TEMP 11.1 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.00				1.85
W W FLOW PEAK	1.80				2.00
W W TEMP	17.80	23.90	22.80	22.80	22.80
PH	6.60	7.10	7.80	7.90	7.80
DIS. OXYGEN	9.40	2.40	9.70	10.00	9.80
ALKALINITY	60.60	101.40	158.40	156.30	141.10
TOTAL BOD5	138.00	84.00	47.00	49.00	49.00
SOLUBLE BOD5	78.00	26.00	31.00	44.00	16.00
TOT SUSP SOLIDS	171.00	40.00	13.00	13.00	12.00
VOL SUSP SOLIDS	125.00	24.00	10.00	12.00	11.00
TOTAL COD	367.10	80.60	57.10	54.90	54.20
SOLUBLE COD	271.00	43.10	56.00	54.10	52.30
TOTL PHOSPHORUS	4.44			4.32	4.30
TKN	28.80			33.34	0.30
NH4+ - N	22.60			35.30	34.70
NO2- - N				0.95	
NO3- - N				0.23	
ALGAE CELL CNT		0.18	3.94	4.90	4.55
FECAL COLIFORM				170.00	13.00
TURBIDITY	125.00	62.00	19.30	19.30	19.30
CHLORINE RESID.					0.30

% REMOVAL TOT BOD 64 SOL BOD 79 TOT SUSP SOL 93
TOT COD 85 SOL COD 81

DATE 7 20 76

HIGH TEMP 31.1 LOW TEMP 14.4 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.00				1.30
W W FLOW PEAK	1.90				1.85
W W TEMP	19.40	24.40	23.30	23.30	22.80
PH	6.70	7.00	7.90	7.90	7.80
DIS. OXYGEN	7.90	2.50	10.60	10.40	10.40
ALKALINITY	82.30	106.00	154.00	157.00	151.00
TOTAL BOD5	120.00	77.00	25.00	20.00	23.00
SOLUBLE BOD5	78.00	77.00	48.00	32.00	16.00
TOT SUSP SOLIDS	131.00	31.00	13.00	13.00	15.00
VOL SUSP SOLIDS	87.00	18.00	9.00	10.00	11.00
TOTAL COD	396.60	289.10	54.90	59.60	53.60
SOLUBLE COD	345.30	88.40	55.80	54.20	60.40
TOTL PHOSPHORUS	6.30			4.07	4.02
TKN	21.30			30.20	34.80
NH4+ - N	19.90			31.00	30.40
NO2- - N				0.97	
NO3- - N				0.23	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				7.00	2.00
TURBIDITY	163.00	53.00	22.50	21.30	24.60
CHLORINE RESID.					0.40

% REMOVAL TOT BOD 81 SOL BOD 79 TOT SUSP SOL 89
TOT COD 86 SOL COD 83

DATE 7 21 76

HIGH TEMP 26.7 LOW TEMP 18.3 RAIN 0.08 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.20				1.28
W W FLOW PEAK	1.70				1.30
W W TEMP	21.10	26.10	23.90	23.90	23.90
PH	6.70	7.00	7.80	7.90	7.80
DIS. OXYGEN	8.00	3.20	10.10	9.80	10.00
ALKALINITY	81.10	107.00	154.00	153.00	136.00
TOTAL BOD5	228.00	82.00	44.00	49.00	47.00
SOLUBLE BOD5	90.00	29.00	24.00	22.00	17.00
TOT SUSP SOLIDS	255.00	42.00	11.00	13.00	12.00
VOL SUSP SOLIDS	102.00	23.00	8.00	11.00	12.00
TOTAL COD	312.30	104.90	54.30	53.80	55.50
SOLUBLE COD	245.80	39.80	52.10	48.90	54.10
TOTL PHOSPHORUS	5.35			4.07	4.12
TKN	25.10			34.00	34.30
NH4+ - N	25.70			31.80	32.90
NO2- - N				0.98	
NO3- - N				0.28	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				22.00	2.00
TURBIDITY	158.00	82.00	18.10	20.60	21.90
CHLORINE RESID.					0.40

% REMOVAL TOT BOD 79 SOL BOD 81 TOT SUSP SOL 95
TOT COD 82 SOL COD 78

DATE 7 22 76

HIGH TEMP 23.9 LOW TEMP 20.0 RAIN 0.08 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.20				1.30
W W FLOW PEAK	1.90				1.39
W W TEMP	20.60	26.10	23.90	23.30	22.80
PH	6.60	7.10	7.70	7.80	7.60
DIS. OXYGEN	9.00	3.10	7.80	7.40	8.00
ALKALINITY	77.00	106.00	149.00	153.00	146.00
TOTAL BODS	84.00	79.00	41.00	47.00	38.00
SOLUBLE BODS	87.00	35.00	23.00	15.00	11.00
TOT SUSP SOLIDS	228.00	42.00	13.00	11.00	13.00
VOL SUSP SOLIDS	143.00	27.00	13.00	11.00	11.00
TOTAL COD	312.30	104.90	54.30	53.80	55.50
SOLUBLE COD	235.80	39.80	52.10	48.90	54.10
TOTL PHOSPHORUS	5.20			3.95	4.07
TKN	17.70			22.00	21.20
NH4+ - N	17.80			26.10	26.10
NO2- - N				0.98	
NO3- - N				0.38	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				70.00	2.00
TURBIDITY	180.00	75.00	23.20	24.60	21.30
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 55 SOL BOD 87 TOT SUSP SOL 94
TOT COD 82 SOL COD 77

DATE 7 23 76

HIGH TEMP 31.1 LOW TEMP 19.4 RAIN 0.16 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.50				1.29
W W FLOW PEAK	1.80				1.39
W W TEMP	20.60	25.00	22.20	22.80	22.80
PH	6.50	6.90	7.50	7.60	7.30
DIS. OXYGEN	8.00	7.10	6.60	6.00	7.30
ALKALINITY	79.60	105.00	151.00	151.00	146.00
TOTAL BOD5	108.00	67.00	32.00	41.00	28.00
SOLUBLE BOD5	99.00	58.00	37.00	32.00	14.00
TOT SUSP SOLIDS	148.00	51.00	12.00	12.00	14.00
VOL SUSP SOLIDS	92.00	32.00	12.00	10.00	13.00
TOTAL COD	226.40	110.10	50.20	48.30	48.90
SOLUBLE COD	192.50	63.10	48.30	48.70	49.40
TOTL PHOSPHORUS	4.50			4.02	4.12
TKN	23.50			29.80	28.60
NH4+ - N	19.70			30.00	30.50
NO2- - N				0.90	
NO3- - N				0.31	
ALGAE CELL CNT		1.17	5.01	7.73	6.20
FECAL COLIFORM				23.00	2.00
TURBIDITY	128.00	75.00	23.20	28.40	25.80
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 74 SOL BOD 86 TOT SUSP SOL 91
TOT COD 78 SOL COD 74

DATE 7 24 76

HIGH TEMP 28.9 LOW TEMP 20.6 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.30				1.35
W W FLOW PEAK	1.90				1.45
W W TEMP	21.10	26.10	23.90	23.90	23.90
PH	6.30	6.80	7.30	7.40	7.20
DIS. OXYGEN	8.50	2.50	6.10	5.60	6.90
ALKALINITY	83.00	101.00	148.00	153.00	147.00
TOTAL BOD5	120.00	78.00	42.00	46.00	47.00
SOLUBLE BOD5	126.00	44.00	44.00	48.00	18.00
TOT SUSP SOLIDS	73.00	49.00	9.00	10.00	12.00
VOL SUSP SOLIDS	31.00	30.00	8.00	9.00	10.00
TOTAL COD	344.50	106.70	52.30	52.50	56.10
SOLUBLE COD	257.70	62.48	48.30	53.20	79.10
TOTL PHOSPHORUS	3.17			3.85	3.85
TKN	26.30			34.80	34.80
NH4+ - N	22.10			28.80	30.60
NO2- - N				0.85	
NO3- - N				0.35	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				4.00	2.00
TURBIDITY	172.00	93.00	25.80	26.60	24.60
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 61 SOL BOD 86 TOT SUSP SOL 84
TOT COD 84 SOL COD 69

DATE 7 25 76

HIGH TEMP 30.0 LOW TEMP 13.9 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.40				1.39
W W FLOW PEAK	1.80				1.40
W W TEMP	18.90	25.00	22.80	22.80	22.20
PH	6.60	7.00	7.60	7.70	7.60
DIS. OXYGEN	9.60	1.70	7.40	7.20	8.20
ALKALINITY	89.90	99.00	146.00	148.00	151.00
TOTAL BOD5	216.00	92.00	46.00	38.00	31.00
SOLUBLE BOD5	162.00	90.00	50.00	52.00	19.00
TOT SUSP SOLIDS	195.00	55.00	12.00	11.00	10.00
VOL SUSP SOLIDS	135.00	30.00	10.00	10.00	7.00
TOTAL COD	352.70	273.90	47.60	45.40	44.10
SOLUBLE COD	286.20	64.10	46.80	47.80	42.30
TOTL PHOSPHORUS	6.24			3.85	3.85
TKN	29.10			34.80	34.00
NH4+ - N	25.70			30.20	30.70
NO2- - N				0.72	
NO3- - N				0.31	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				5.00	2.00
TURBIDITY	185.00	84.00	17.40	16.10	16.10
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 86 SOL BOD 88 TOT SUSP SOL 95
TOT COD 87 SOL COD 85

DATE 7 26 76

HIGH TEMP 32.2 LOW TEMP 8.9 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.10				1.25
W W FLOW PEAK	1.70				1.40
W W TEMP	18.90	24.40	23.30	23.90	22.80
PH	6.70	7.00	7.70	7.70	7.60
DIS. OXYGEN	7.70	5.00	8.10	8.20	8.20
ALKALINITY	86.70	101.00	146.00	147.00	142.00
TOTAL BOD5	288.00	92.00	49.00	52.00	48.00
SOLUBLE BOD5	102.00	89.00	48.00	49.00	18.00
TOT SUSP SOLIDS	156.00	47.00	9.00	8.00	10.00
VOL SUSP SOLIDS	108.00	28.00	8.00	8.00	8.00
TOTAL COD	300.80	109.40	46.60	50.20	48.80
SOLUBLE COD	145.90	20.50	42.10	42.10	47.90
TOTL PHOSPHORUS	5.10			3.74	3.83
TKN	29.70			34.80	32.00
NH4+ - N	28.90			32.00	29.90
NO2- - N				0.55	
NO3- - N				0.10	
ALGAE CELL CNT		0.67	3.41	2.37	2.42
FECAL COLIFORM				4.00	2.00
TURBIDITY	157.00	76.00	21.30	20.00	20.00
CHLORINE RESID.					0.70

% REMOVAL TOT BOD 83 SOL BOD 82 TOT SUSP SOL 94
TOT COD 84 SOL COD 67

DATE 7 27 76

HIGH TEMP 27.8 LOW TEMP 13.3 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.90				1.00
W W FLOW PEAK	1.50				1.25
W W TEMP	20.00	26.10	23.90	23.30	22.80
PH	6.60	7.00	7.60	7.80	7.70
DIS. OXYGEN	8.60	2.80	9.00	9.40	9.00
ALKALINITY	98.40	104.00	141.00	145.00	139.00
TOTAL BOD5	180.00	73.00	40.00	43.00	43.00
SOLUBLE BOD5	123.00	74.00	41.00	35.00	30.00
TOT SUSP SOLIDS	162.00	46.00	7.00	7.00	7.00
VOL SUSP SOLIDS	112.00	28.00	7.00	7.00	7.00
TOTAL COD	475.80	173.60	46.90	48.10	48.90
SOLUBLE COD	375.10	121.70	46.70	45.90	49.60
TOTL PHOSPHORUS	8.92			3.56	3.69
TKN	30.90			31.70	29.90
NH4+ - N	26.70			29.00	27.50
NO2- - N				0.60	
NO3- - N				0.79	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				7.00	2.00
TURBIDITY	270.00	101.00	21.90	21.30	18.70
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 76 SOL BOD 76 TOT SUSP SOL 96
TOT COD 90 SOL COD 87

DATE 7 28 76

HIGH TEMP 35.0 LOW TEMP 17.8 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.00				0.95
W W FLOW PEAK	1.40				1.05
W W TEMP	21.10	26.10	23.90	23.90	23.90
PH	6.50	7.00	7.60	7.60	7.50
DIS. OXYGEN	8.20	2.80	7.60	7.10	8.00
ALKALINITY	88.30	100.00	137.00	124.00	132.00
TOTAL BODS	240.00	74.00	41.00	43.00	44.00
SOLUBLE BODS	171.00	82.00	44.00	40.00	16.00
TOT SUSP SOLIDS	203.00	49.00	12.00	11.00	10.00
VOL SUSP SOLIDS	145.00	30.00	12.00	11.00	10.00
TOTAL COD	472.30	140.50	45.70	51.90	55.10
SOLUBLE COD	366.10	136.20	47.20	48.80	52.90
TOTL PHOSPHORUS	7.02			3.61	3.69
TKN	30.40			33.80	31.20
NH4+ - N	26.70			29.00	27.50
NO2- - N				0.45	
NO3- - N				0.12	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				4.00	2.00
TURBIDITY	195.00	99.00	17.40	12.90	16.10
CHLORINE RESID.					0.80

% REMOVAL TOT BOD 82 SOL BOD 91 TOT SUSP SOL 95
TOT COD 88 SOL COD 86

DATE 7 29 76

HIGH TEMP 35.3 LOW TEMP 18.3 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.05				0.90
W W FLOW PEAK	1.40				1.05
W W TEMP	20.60	26.10	25.00	25.00	25.00
PH	6.60	7.00	7.60	7.70	7.60
DIS. OXYGEN	8.00	2.60	7.70	7.40	8.30
ALKALINITY	86.70	100.00	138.00	139.00	136.00
TOTAL BOD5	204.00	68.00	37.00	41.00	43.00
SOLUBLE BOD5	177.00	43.00	34.00	45.00	22.00
TOT SUSP SOLIDS	262.00	52.00	9.00	9.00	9.00
VOL SUSP SOLIDS	159.00	32.00	9.00	8.00	9.00
TOTAL COD	244.10	156.40	49.20	49.80	46.00
SOLUBLE COD	174.50	132.40	48.50	47.10	43.80
TOTL PHOSPHORUS	6.19			3.65	3.69
TKN	27.20			29.60	30.20
NH4+ - N	22.60			26.90	24.90
NO2- - N				0.40	
NO3- - N				0.20	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				2.00	2.00
TURBIDITY	300.00	105.00	20.00	14.90	14.20
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 79 SOL BOD 88 TOT SUSP SOL 97
TOT COD 81 SOL COD 75

DATE 7 30 76

HIGH TEMP 27.8 LOW TEMP 21.1 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.10				1.00
W W FLOW PEAK	1.50				1.10
W W TEMP	21.10	27.20	25.60	25.00	25.00
PH	6.70	7.00	7.70	7.70	7.50
DIS. OXYGEN	6.70	1.80	7.80	7.60	8.20
ALKALINITY	94.70	101.00	138.00	140.00	136.00
TOTAL BOD5	240.00	86.00	42.00	42.00	42.00
SOLUBLE BOD5	150.00	79.00	41.00	41.00	37.00
TOT SUSP SOLIDS	200.00	55.00	13.00	10.00	11.00
VOL SUSP SOLIDS	142.00	30.00	8.00	5.00	7.00
TOTAL COD	409.70	117.30	46.50	46.00	47.40
SOLUBLE COD	179.70	120.10	46.00	43.70	47.30
TOTL PHOSPHORUS	7.82			3.43	3.79
TKN	32.50			33.80	32.50
NH4+ - N	25.40			29.50	29.10
NO2- - N				0.37	
NO3- - N				0.32	
ALGAE CELL CNT		0.95	4.16	8.28	2.25
FECAL COLIFORM				8.00	2.00
TURBIDITY	182.00	107.00	18.10	14.50	12.90
CHLORINE RESID.					0.40

% REMOVAL TOT BOD 83 SOL BOD 75 TOT SUSP SOL 95
TOT COD 88 SOL COD 74

DATE 7 31 76

HIGH TEMP 33.3 LOW TEMP 16.7 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	*******				1.10
W W FLOW PEAK	*******				1.25
W W TEMP	20.00	26.10	23.30	23.30	22.80
PH	6.60	7.10	7.60	7.80	7.60
DIS. OXYGEN	8.40	1.80	7.20	7.50	8.20
ALKALINITY	96.40	105.00	135.00	138.00	136.00
TOTAL BOD5	264.00	77.00	42.00	43.00	45.00
SOLUBLE BOD5	120.00	82.00	47.00	46.00	13.00
TOT SUSP SOLIDS	210.00	61.00	12.00	11.00	16.00
VOL SUSP SOLIDS	155.00	38.00	11.00	9.00	16.00
TOTAL COD	418.60	125.20	47.70	50.90	46.00
SOLUBLE COD	377.90	123.50	44.20	41.80	42.20
TOTL PHOSPHORUS	7.29			3.61	3.61
TKN	32.00			34.80	30.60
NH4+ - N	24.90			26.80	27.80
NO2- - N				0.22	
NO3- - N				0.38	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				13.00	5.00
TURBIDITY	188.00	99.00	21.90	20.60	18.10
CHLORINE RESID.					0.40

% REMOVAL TOT BOD 83 SOL BOD 89 TOT SUSP SOL 92
TOT COD 89 SOL COD 89

DATE 8 1 76

HIGH TEMP 23.3 LOW TEMP 15.6 RAIN 0.08 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.20				1.08
W W FLOW PEAK	1.80				2.05
W W TEMP	20.00	25.60	23.30	22.80	22.80
PH	6.60	6.90	7.60	7.70	7.60
DIS. OXYGEN	8.40	2.80	7.20	7.30	8.00
ALKALINITY	98.40	106.00	136.00	136.00	132.00
TOTAL BOD5	204.00	72.00	41.00	44.00	44.00
SOLUBLE BOD5	144.00	79.00	46.00	46.00	36.00
TOT SUSP SOLIDS	267.00	58.00	11.00	9.00	10.00
VOL SUSP SOLIDS	182.00	42.00	11.00	9.00	10.00
TOTAL COD	919.80	164.70	45.20	45.10	45.00
SOLUBLE COD	301.10	119.10	41.10	40.60	42.10
TOTL PHOSPHORUS	4.22			3.22	3.22
TKN	29.90			34.10	36.10
NH4+ - N	28.60			26.40	27.30
NO2- - N				0.49	
NO3- - N				0.42	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				17.00	2.00
TURBIDITY	202.00	105.00	18.70	17.00	18.10
CHLORINE RESID.					0.40

% REMOVAL TOT BOD 78 SOL BOD 75 TOT SUSP SOL 96
TOT COD 95 SOL COD 86

DATE 8 2 76

HIGH TEMP 30.0 LOW TEMP 7.8 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.90				1.10
W W FLOW PEAK	1.30				1.20
W W TEMP	18.90	23.90	22.20	22.20	22.20
PH	6.80	7.00	7.60	7.70	7.70
DIS. OXYGEN	6.80	2.60	7.80	7.80	7.70
ALKALINITY	76.00	105.00	133.00	135.00	131.00
TOTAL BOD5	216.00	79.00	49.00	47.00	50.00
SOLUBLE BOD5	180.00	89.00	49.00	10.00	8.00
TOT SUSP SOLIDS	143.00	59.00	12.00	11.00	11.00
VOL SUSP SOLIDS	99.00	39.00	11.00	10.00	10.00
TOTAL COD	891.50	130.80	51.40	43.60	42.30
SOLUBLE COD	427.40	117.80	42.70	42.20	44.70
TOTL PHOSPHORUS	5.27			3.07	3.18
TKN	28.20			27.10	22.20
NH4+ - N	27.30			26.50	26.90
NO2- - N				0.51	
NO3- - N				0.24	
ALGAE CELL CNT		1.45	3.20	2.32	2.58
FECAL COLIFORM				17.00	2.00
TURBIDITY	174.00	115.00	18.70	14.20	16.40
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 77 SOL BOD 96 TOT SUSP SOL 92
TOT COD 95 SOL COD 90

DATE 8 3 76

HIGH TEMP 28.9 LOW TEMP 9.4 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.20				1.03
W W FLOW PEAK	1.40				1.15
W W TEMP	18.90	25.00	22.20	22.20	22.20
PH	6.70	6.90	7.70	7.80	7.60
DIS. OXYGEN	7.60	2.90	8.60	8.80	9.10
ALKALINITY	110.00	110.00	132.00	133.00	131.00
TOTAL BOD5	366.00	96.00	49.00	49.00	38.00
SOLUBLE BOD5	168.00	98.00	53.00	54.00	48.00
TOT SUSP SOLIDS	217.00	55.00	10.00	10.00	7.00
VOL SUSP SOLIDS	161.00	38.00	9.00	8.00	7.00
TOTAL COD	926.80	180.60	45.20	48.10	44.20
SOLUBLE COD	313.70	140.80	48.60	46.40	45.80
TOTL PHOSPHORUS	8.50			3.07	3.22
TKN	33.41			31.20	30.20
NH4+ - N	28.90			28.00	29.00
NO2- - N				0.51	
NO3- - N				0.31	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				7.00	2.00
TURBIDITY	245.00	107.00	18.10	14.50	17.40
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 90 SOL BOD 71 TOT SUSP SOL 97
TOT COD 95 SOL COD 85

DATE 8 16 76

HIGH TEMP 26.7 LOW TEMP 11.7 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.00				0.19
W W FLOW PEAK	1.60				0.24
W W TEMP	18.90	24.40	22.20	21.10	21.10
PH	6.50	6.90	7.60	7.70	7.30
DIS. OXYGEN	8.80	2.70	7.80	7.00	6.50
ALKALINITY	53.70	90.30	121.00	122.00	114.00
TOTAL BOD5	66.00	19.00	6.00	4.00	0.00
SOLUBLE BOD5	33.00	12.00	5.00	2.00	0.00
TOT SUSP SOLIDS	148.00	60.00	4.00	8.00	6.00
VOL SUSP SOLIDS	94.00	49.00	4.00	8.00	6.00
TOTAL COD	841.80	64.90	0.30	52.60	55.30
SOLUBLE COD	120.50	19.80	40.50	77.70	42.70
TOTL PHOSPHORUS	6.17			3.02	3.02
TKN	21.40			31.20	32.20
NH4+ - N	15.10			33.60	33.60
NO2- - N				0.35	
NO3- - N				0.10	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				2400.00	13.00
TURBIDITY	111.00	142.00	8.60	7.90	7.90
CHLORINE RESID.					1.00

% REMOVAL TOT BOD 100 SOL BOD 100 TOT SUSP SOL 96
TOT COD 93 SOL COD 65

DATE 8 17 76

HIGH TEMP 31.1 LOW TEMP 8.9 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.50				0.24
W W FLOW PEAK	2.00				0.96
W W TEMP	17.20	22.20	21.70	21.10	21.10
PH	6.60	6.80	7.70	7.70	7.40
DIS. OXYGEN	9.00	2.60	7.60	7.60	7.60
ALKALINITY	76.80	81.60	116.00	120.00	104.00
TOTAL BOD5	174.00	19.00	5.00	7.00	4.00
SOLUBLE BOD5	33.00	10.00	5.00	4.00	2.00
TOT SUSP SOLIDS	328.00	59.00	6.00	6.00	4.00
VOL SUSP SOLIDS	241.00	40.00	6.00	6.00	4.00
TOTAL COD	310.80	88.90	*******	58.10	56.90
SOLUBLE COD	129.40	16.20	49.50	46.70	43.10
TOTL PHOSPHORUS	5.46			3.07	3.07
TKN	21.90			30.20	27.80
NH4+ - N	18.50			27.00	26.10
NO2- - N				0.40	
NO3- - N				0.10	
ALGAE CELL CNT		3.73	12.85	7.94	85.00
FECAL COLIFORM				220.00	2.00
TURBIDITY	339.00	117.00	24.20	19.90	20.90
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 98 SOL BOD 94 TOT SUSP SOL 99
TOT COD 82 SOL COD 67

DATE 8 18 76

HIGH TEMP 32.2 LOW TEMP 11.1 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.30				1.00
W W FLOW PEAK	1.80				1.40
W W TEMP	18.90	22.80	22.80	22.20	22.20
PH	6.60	6.90	7.70	7.80	7.80
DIS. OXYGEN	7.80	1.80	8.50	8.30	8.90
ALKALINITY	67.10	81.60	115.00	116.00	108.00
TOTAL BOD5	90.00	23.00	10.00	9.00	5.00
SOLUBLE BOD5	48.00	12.00	8.00	6.00	3.00
TOT SUSP SOLIDS	121.00	62.00	14.00	11.00	10.00
VOL SUSP SOLIDS	80.00	39.00	9.00	7.00	6.00
TOTAL COD	703.60	44.70	50.90	51.20	46.90
SOLUBLE COD	81.20	24.70	49.30	46.30	43.90
TOTL PHOSPHORUS	5.75			3.16	3.16
TKN	20.10			23.40	24.20
NH4+ - N	17.30			21.00	20.40
NO2- - N				0.42	
NO3- - N				0.15	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				140.00	2.00
TURBIDITY	161.00	106.00	13.90	10.60	13.90
CHLORI' RESID.					0.20

% REMOVAL TOT BOD 94 SOL BOD 94 TOT SUSP SOL 92
TOT COD 93 SOL COD 46

DATE 8 19 76

HIGH TEMP 34.4 LOW TEMP 11.7 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.20				1.40
W W FLOW PEAK	1.60				1.49
W W TEMP	18.30	22.80	22.20	21.10	21.10
PH	6.60	7.00	7.70	7.90	7.80
DIS. OXYGEN	8.20	2.70	8.60	8.70	9.00
ALKALINITY	70.50	81.00	112.00	113.00	108.00
TOTAL BOD5	108.00	31.00	12.00	10.00	8.00
SOLUBLE BOD5	57.00	17.00	11.00	8.00	5.00
TOT SUSP SOLIDS	115.00	55.00	12.00	10.00	10.00
VOL SUSP SOLIDS	75.00	38.00	9.00	7.00	9.00
TOTAL COD	686.10	80.20	50.70	49.50	58.10
SOLUBLE COD	116.80	22.10	45.80	50.30	50.80
TOTL PHOSPHORUS	5.65			3.07	3.11
TKN	24.20			27.40	25.70
NH4+ - N	20.70			25.90	26.30
NO2- - N				0.45	
NO3- - N				0.15	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				140.00	2.00
TURBIDITY	163.00	133.00	12.60	13.30	11.30
CHLORINE RESID.					0.15

% REMOVAL TOT BOD 93 SOL BOD 91 TOT SUSP SOL 91
TOT COD 92 SOL COD 57

DATE 8 20 76

HIGH TEMP 28.3 LOW TEMP 12.2 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.30				1.25
W W FLOW PEAK	1.70				1.50
W W TEMP	18.30	23.90	22.20	21.10	21.10
PH	6.60	7.00	7.80	7.80	7.70
DIS. OXYGEN	7.20	3.00	9.10	8.30	9.10
ALKALINITY	74.90	80.60	92.30	110.00	109.00
TOTAL BOD5	108.00	34.00	14.00	15.00	7.00
SOLUBLE BOD5	51.00	17.00	8.00	6.00	5.00
TOT SUSP SOLIDS	182.00	52.00	11.00	12.00	10.00
VOL SUSP SOLIDS	129.00	37.00	11.00	12.00	10.00
TOTAL COD	686.20	80.20	50.70	49.50	58.10
SOLUBLE COD	116.80	22.10	45.80	50.30	50.80
TOTL PHOSPHORUS	4.50			3.26	3.11
TKN	26.80			25.30	24.80
NH4+ - N	25.20			24.50	24.80
NO2- - N				0.50	
NO3- - N				0.15	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				33.00	2.00
TURBIDITY	194.00	123.00	17.90	19.20	15.20
CHLORINE RESID.					0.20

% REMOVAL TOT BOD 94 SOL BOD 90 TOT SUSP SOL 95
TOT COD 92 SOL COD 57

DATE 8 21 76

HIGH TEMP 35.0 LOW TEMP 10.0 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.10				1.15
W W FLOW PEAK	1.60				1.20
W W TEMP	18.30	22.80	21.10	21.10	20.60
PH	6.60	6.90	7.70	7.80	7.70
DIS. OXYGEN	8.60	1.40	9.00	8.40	9.70
ALKALINITY	79.60	83.60	107.00	109.00	107.00
TOTAL BOD5	150.00	44.00	32.00	15.00	9.00
SOLUBLE BOD5	51.00	17.00	6.00	7.00	4.00
TOT SUSP SOLIDS	99.00	73.00	25.00	23.00	26.00
VOL SUSP SOLIDS	63.00	41.00	13.00	13.00	14.00
TOTAL COD	686.20	80.20	50.70	49.50	48.10
SOLUBLE COD	116.80	22.10	45.80	50.30	50.10
TOTL PHOSPHORUS	14.32			3.21	3.21
TKN	29.90			27.30	27.60
NH4+ - N	27.90			24.70	24.70
NO2- - N				0.52	
NO3- - N				0.16	
ALGAE CELL CNT		2.32	2.96	48.90	2.06
FECAL COLIFORM				11.00	2.00
TURBIDITY	174.00	131.00	21.20	21.20	19.90
CHLORINE RESID.					0.30

% REMOVAL TOT BOD 94 SOL BOD 92 TOT SUSP SOL 74
TOT COD 93 SOL COD 57

DATE 8 22 76

HIGH TEMP 36.7 LOW TEMP 12.2 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.00				1.17
W W FLOW PEAK	1.50				1.25
W W TEMP	18.90	22.80	22.20	22.20	21.10
PH	6.50	6.80	7.60	7.90	7.70
DIS. OXYGEN	8.60	1.50	9.10	8.40	8.80
ALKALINITY	64.00	79.40	105.00	106.00	103.00
TOTAL BOD5	234.00	59.00	24.00	19.00	13.00
SOLUBLE BOD5	51.00	20.00	9.00	9.00	8.00
TOT SUSP SOLIDS	200.00	65.00	15.00	15.00	14.00
VOL SUSP SOLIDS	142.00	46.00	14.00	14.00	14.00
TOTAL COD	841.80	175.80	58.30	52.70	53.60
SOLUBLE COD	263.30	142.60	56.20	52.50	50.60
TOTL PHOSPHORUS	2.83			3.21	3.31
TKN	28.30			24.40	26.60
NH4+ - N	28.30			29.60	30.30
NO2- - N				0.58	
NO3- - N				0.37	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				5.00	2.00
TURBIDITY	169.00	157.00	21.20	19.20	19.20
CHLORINE RESID.					0.30

% REMOVAL TOT BOD 94 SOL BOD 84 TOT SUSP SOL 93
TOT COD 94 SOL COD 81

DATE 9 8 76

HIGH TEMP 30.0 LOW TEMP 2.8 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.10				0.50
W W FLOW PEAK	1.40				0.70
W W TEMP	19.40	22.20	21.10	21.10	22.20
PH	6.80	7.00	7.40	7.50	7.30
DIS. OXYGEN	4.60	2.40	5.90	6.40	6.00
ALKALINITY	104.00	89.50	97.30	93.10	96.20
TOTAL BOD5	120.00	26.00	8.00	4.00	2.00
SOLUBLE BOD5	63.00	11.00	5.00	4.00	2.00
TOT SUSP SOLIDS	276.00	93.00	9.00	8.00	8.00
VOL SUSP SOLIDS	206.00	73.00	8.00	7.00	7.00
TOTAL COD	814.40	210.30	43.40	44.10	49.10
SOLUBLE COD	317.20	139.40	42.50	43.70	46.70
TOTL PHOSPHORUS	8.04			2.72	2.81
TKN	37.10			33.20	28.30
NH4+ - N	25.60			24.40	23.30
NO2- - N				0.16	
NO3- - N				0.98	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				13.00	2.00
TURBIDITY	259.00	272.00	13.90	11.30	8.60
CHLORINE RESID.					0.80

% REMOVAL TOT BOD 98 SOL BOD 97 TOT SUSP SOL 97
TOT COD 94 SOL COD 85

DATE 9 9 76

HIGH TEMP 28.9 LOW TEMP 11.1 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.30				0.70
W W FLOW PEAK	1.50				0.83
W W TEMP	18.90	22.80	21.10	21.10	21.10
PH	6.80	6.90	7.40	7.60	7.30
DIS. OXYGEN	5.70	1.80	6.20	6.00	6.60
ALKALINITY	110.00	90.50	97.00	98.00	93.30
TOTAL BOD5	180.00	38.00	8.00	7.00	4.00
SOLUBLE BOD5	72.00	17.00	5.00	5.00	4.00
TOT SUSP SOLIDS	247.00	86.00	8.00	8.00	7.00
VOL SUSP SOLIDS	163.00	72.00	8.00	8.00	7.00
TOTAL COD	800.00	125.00	46.70	45.40	50.50
SOLUBLE COD	250.00	43.00	44.20	43.90	50.50
TOTL PHOSPHORUS	7.75			2.60	2.64
TKN	33.20			29.50	29.00
NH4+ - N	29.20			27.10	24.30
NO2- - N				0.20	
NO3- - N				0.53	
ALGAE CELL CNT		6.33	0.34	0.68	0.45
FECAL COLIFORM				27.00	2.00
TURBIDITY	241.00	262.00	15.20	12.80	10.60
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 98 SOL BOD 94 TOT SUSP SOL 97
TOT COD 94 SOL COD 80

DATE 9 10 76

HIGH TEMP 20.0 LOW TEMP 12.8 RAIN 0.08 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.20				0.75
W W FLOW PEAK	1.80				0.95
W W TEMP	17.80	23.90	21.10	21.10	21.10
PH	6.70	7.00	7.50	7.50	7.50
DIS. OXYGEN	8.60	2.80	6.00	5.60	6.80
ALKALINITY	109.00	89.20	96.00	95.20	95.00
TOTAL BODS	210.00	37.00	8.00	8.00	6.00
SOLUBLE BODS	75.00	18.00	7.00	6.00	4.00
TOT SUSP SOLIDS	178.00	84.00	9.00	8.00	8.00
VOL SUSP SOLIDS	122.00	69.00	7.00	7.00	7.00
TOTAL COD	1334.30	138.90	45.80	45.50	50.00
SOLUBLE COD	175.50	31.20	40.00	44.30	51.30
TOTL PHOSPHORUS	7.83			2.47	2.89
TKN	47.00			38.30	32.80
NH4+ - N	36.40			31.80	31.90
NO2- - N				0.20	
NO3- - N				0.25	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				31.00	13.00
TURBIDITY	251.00	253.00	10.80	11.30	9.20
CHLORINE RESID.					0.05

% REMOVAL TOT BOD 97 SOL BOD 95 TOT SUSP SOL 96
TOT COD 96 SOL COD 71

DATE 9 11 76

HIGH TEMP 22.2 LOW TEMP 6.1 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.10				0.70
W W FLOW PEAK	1.60				0.95
W W TEMP	17.80	21.10	18.90	18.90	18.30
PH	6.80	6.90	7.30	7.40	7.30
DIS. OXYGEN	8.20	1.90	5.80	5.40	6.30
ALKALINITY	90.00	91.80	98.00	96.20	95.20
TOTAL BOD5	150.00	41.00	10.00	7.00	2.00
SOLUBLE BOD5	42.00	10.00	7.00	7.00	4.00
TOT SUSP SOLIDS	121.00	91.00	9.00	8.00	7.00
VOL SUSP SOLIDS	85.00	77.00	9.00	8.00	7.00
TOTAL COD	956.10	50.90	65.10	43.50	40.00
SOLUBLE COD	116.60	23.80	44.80	43.20	45.20
TOTL PHOSPHORUS	4.98			2.72	2.64
TKN	43.60			32.60	30.20
NH4+ - N	34.80			35.40	29.40
NO2- - N				0.16	
NO3- - N				0.29	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				49.00	2.00
TURBIDITY	143.00	208.00	15.20	16.50	15.80
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 99 SOL BOD 90 TOT SUSP SOL 94
TOT COD 96 SOL COD 61

DATE 9 12 76

HIGH TEMP 30.0 LOW TEMP 7.8 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.90				0.95
W W FLOW PEAK	1.40				1.05
W W TEMP	17.80	22.20	18.90	18.90	18.90
PH	6.80	7.00	7.30	7.40	7.20
DIS. OXYGEN	5.80	1.90	5.70	5.20	6.00
ALKALINITY	102.00	88.60	92.20	92.60	93.40
TOTAL BOD5	156.00	46.00	12.00	10.00	7.00
SOLUBLE BOD5	75.00	19.00	9.00	8.00	4.00
TOT SUSP SOLIDS	146.00	88.00	9.00	11.00	8.00
VOL SUSP SOLIDS	106.00	74.00	9.00	9.00	7.00
TOTAL COD	1173.40	169.30	57.80	44.70	44.30
SOLUBLE COD	205.90	39.50	45.50	45.40	46.40
TOTL PHOSPHORUS	5.79			2.51	2.55
TKN	78.10			43.30	57.80
NH4+ - N	25.20			20.50	16.20
NO2- - N				0.20	
NO3- - N				0.30	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				21.00	2.00
TURBIDITY	188.00	241.00	17.20	15.80	17.90
CHLORINE RESID.					1.00

% REMOVAL TOT BOD 96 SOL BOD 95 TOT SUSP SOL 95
TOT COD 96 SOL COD 77

DATE 9 13 76

HIGH TEMP 32.2 LOW TEMP 8.3 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.30				1.00
W W FLOW PEAK	1.60				1.05
W W TEMP	17.80	21.10	19.40	19.40	20.00
PH	6.70	6.90	7.30	7.40	7.30
DIS. OXYGEN	5.90	3.70	6.00	6.00	6.40
ALKALINITY	92.20	83.00	89.20	90.40	88.40
TOTAL BOD5	216.00	48.00	13.00	11.00	6.00
SOLUBLE BOD5	75.00	11.00	7.00	6.00	3.00
TOT SUSP SOLIDS	113.00	90.00	7.00	8.00	6.00
VOL SUSP SOLIDS	78.00	74.00	7.00	7.00	5.00
TOTAL COD	611.60	81.20	46.70	38.50	45.50
SOLUBLE COD	275.60	19.40	44.60	46.10	44.00
TOTL PHOSPHORUS	6.13			2.55	2.47
TKN	56.60			39.10	33.00
NH4+ - N	27.70			28.30	25.00
NO2- - N				0.20	
NO3- - N				0.30	
ALGAE CELL CNT		2.46	0.31	0.24	0.55
FECAL COLIFORM				17.00	2.00
TURBIDITY	157.00	273.00	17.10	16.20	16.90
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 97 SOL BOD 96 TOT SUSP SOL 95
TOT COD 93 SOL COD 84

DATE 9 14 76

HIGH TEMP 31.1 LOW TEMP 10.6 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.00				0.95
W W FLOW PEAK	1.50				1.05
W W TEMP	18.90	22.80	20.60	20.60	20.00
PH	6.60	6.90	7.30	7.40	7.20
DIS. OXYGEN	4.70	2.20	5.50	5.10	6.00
ALKALINITY	112.00	92.20	91.60	93.60	90.00
TOTAL BOD5	180.00	37.00	9.00	8.00	4.00
SOLUBLE BOD5	81.00	14.00	10.00	7.00	4.00
TOT SUSP SOLIDS	156.00	85.00	9.00	7.00	8.00
VOL SUSP SOLIDS	112.00	69.00	8.00	7.00	7.00
TOTAL COD	1743.10	140.40	44.30	40.80	45.80
SOLUBLE COD	353.10	69.40	43.80	40.10	43.80
TOTL PHOSPHORUS	6.98			2.51	2.51
TKN	26.40			22.80	22.10
NH4+ - N	24.50			19.70	19.70
NO2- - N				0.20	
NO3- - N				0.38	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				17.00	2.00
TURBIDITY	235.00	198.00	15.20	13.80	13.30
CHLORINE RESID.					1.00

% REMOVAL TOT BOD 98 SOL BOD 95 TOT SUSP SOL 95
TOT COD 97 SOL COD 88

DATE 10 1 76

HIGH TEMP 13.3 LOW TEMP 9.4 RAIN 2.54 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.80				1.50
W W FLOW PEAK	3.00				1.90
W W TEMP	16.10	20.00	15.60	15.00	15.00
PH	6.60	6.90	7.10	7.10	7.10
DIS. OXYGEN	10.70	3.10	5.90	6.20	7.70
ALKALINITY	66.80	87.80	99.20	100.00	97.20
TOTAL BOD5	102.00	28.00	16.00	11.00	10.00
SOLUBLE BOD5	51.00	18.00	11.00	9.00	6.00
TOT SUSP SOLIDS	178.00	65.00	27.00	6.00	3.00
VOL SUSP SOLIDS	104.00	55.00	23.00	3.00	3.00
TOTAL COD	264.40	189.20	64.80	65.30	65.10
SOLUBLE COD	104.30	45.60	64.60	65.20	64.80
TOTL PHOSPHORUS	3.53			1.90	2.08
TKN	13.02			20.80	20.49
NH4+ - N	15.80			26.20	24.70
NO2- - N				0.09	
NO3- - N				0.46	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				33.00	13.00
TURBIDITY	147.00	155.00	21.20	21.80	19.30
CHLORINE RESTD.					0.30

% REMOVAL TOT BOD 90 SOL BOD 88 TOT SUSP SOL 98
TOT COD 75 SOL COD 38

DATE 10 2 76

HIGH TEMP 20.0 LOW TEMP 11.7 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.40				2.00
W W FLOW PEAK	1.80				2.40
W W TEMP	17.20	19.40	16.10	16.10	16.10
PH	6.00	6.80	7.10	7.20	7.20
DIS. OXYGEN	10.50	4.40	5.50	5.50	6.40
ALKALINITY	18.40	87.40	94.80	98.40	94.80
TOTAL BOD5	18.00	19.00	6.00	1.00	0.00
SOLUBLE BOD5	21.00	6.00	3.00	3.00	0.00
TOT SUSP SOLIDS	47.00	66.00	3.00	5.00	1.00
VOL SUSP SOLIDS	30.00	44.00	3.00	5.00	1.00
TOTAL COD	269.50	85.10	65.30	64.00	64.50
SOLUBLE COD	127.50	47.20	64.50	64.00	64.40
TOTL PHOSPHORUS	1.63			1.95	2.13
TKN	4.25			22.25	19.40
NH4+ - N	4.37			21.80	18.70
NO2- - N				0.10	
NO3- - N				0.54	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				220.00	13.00
TURBIDITY	93.00	174.00	13.20	13.80	12.80
CHLORINE RESID.					0.40

% REMOVAL TOT BOD 100 SOL BOD 100 TOT SUSP SOL 98
TOT COD 76 SOL COD 49

DATE 10 3 76

HIGH TEMP 25.6 LOW TEMP 10.0 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.20				2.10
W W FLOW PEAK	1.60				2.35
W W TEMP	16.70	18.90	16.10	16.10	15.60
PH	6.00	6.80	7.10	7.20	7.10
DIS. OXYGEN	10.10	4.30	5.10	4.20	5.30
ALKALINITY	31.80	77.80	95.60	96.60	95.60
TOTAL BOD5	96.00	25.00	8.00	6.00	4.00
SOLUBLE BOD5	42.00	12.00	7.00	7.00	4.00
TOT SUSP SOLIDS	29.00	55.00	6.00	3.00	3.00
VOL SUSP SOLIDS	20.00	45.00	6.00	3.00	3.00
TOTAL COD	99.70	15.61	29.70	26.30	29.00
SOLUBLE COD	0.22	19.40	27.60	22.70	28.40
TOTL PHOSPHORUS	4.66			1.76	1.86
TKN	7.75			20.80	20.50
NH4+ - N	7.79			24.60	24.20
NO2- - N				0.14	
NO3- - N				0.60	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				49.00	5.00
TURBIDITY	118.00	172.00	14.30	12.20	15.80
CHLORINE RESID.					0.30

% REMOVAL TOT BOD 96 SOL BOD 90 TOT SUSP SOL 90
TOT COD 71 SOL COD****

DATE 10 4 76

HIGH TEMP 23.3 LOW TEMP 8.3 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.90				2.00
W W FLOW PEAK	1.50				2.10
W W TEMP	17.20	20.00	17.20	16.10	16.10
PH	5.70	6.80	7.00	7.10	7.10
DIS. OXYGEN	9.30	4.80	7.00	5.00	6.20
ALKALINITY	20.20	76.80	96.60	95.80	93.20
TOTAL BOD5	84.00	17.00	9.00	4.00	1.00
SOLUBLE BOD5	21.00	6.00	3.00	4.00	4.00
TOT SUSP SOLIDS	118.00	58.00	5.00	3.00	4.00
VOL SUSP SOLIDS	77.00	45.00	5.00	3.00	4.00
TOTAL COD	1003.80	109.00	25.70	17.50	19.40
SOLUBLE COD	281.70	26.90	23.90	16.50	18.40
TOTL PHOSPHORUS	4.43			1.95	1.90
TKN	13.69			24.90	24.90
NH4+ - N	11.30			24.00	24.50
NO2- - N				0.14	
NO3- - N				0.36	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				49.00	2.00
TURBIDITY	146.00	165.00	12.00	11.80	11.60
CHLORINE RESID.					0.30

% REMOVAL TOT BOD 99 SOL BOD 81 TOT SUSP SOL 97
TOT COD 98 SOL COD 93

DATE 10 5 76

HIGH TEMP 26.1 LOW TEMP 6.7 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.80				1.80
W W FLOW PEAK	1.20				2.00
W W TEMP	17.20	20.00	17.20	17.20	17.20
PH	5.60	6.80	7.20	7.20	7.10
DIS. OXYGEN	7.30	6.40	5.00	4.20	5.90
ALKALINITY	23.00	69.80	94.40	97.60	93.40
TOTAL BOD5	78.00	26.00	8.00	4.00	2.00
SOLUBLE BOD5	42.00	10.00	5.00	4.00	0.00
TOT SUSP SOLIDS	174.00	61.00	6.00	4.00	6.00
VOL SUSP SOLIDS	118.00	47.00	6.00	4.00	5.00
TOTAL COD	1000.10	195.90	47.00	43.50	49.60
SOLUBLE COD	125.90	51.10	46.50	42.50	48.10
TOTL PHOSPHORUS	9.96			1.81	1.95
TKN	14.90			19.80	24.20
NH4+ - N	16.00			25.70	24.40
NO2- - N				0.14	
NO3- - N				1.01	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				21.00	2.00
TURBIDITY	149.00	163.00	11.30	11.80	10.60
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 97 SOL BOD 100 TOT SUSP SOL 97
TOT COD 95 SOL COD 62

DATE 10 6 76

HIGH TEMP 23.3 LOW TEMP 7.8 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.75				1.40
W W FLOW PEAK	1.30				1.80
W W TEMP	17.20	18.90	17.20	16.70	16.10
PH	5.80	6.80	7.10	7.20	7.10
DIS. OXYGEN	9.60	5.50	6.10	4.40	6.10
ALKALINITY	26.80	67.60	95.40	96.60	94.60
TOTAL BOD5	60.00	76.00	23.00	26.00	7.00
SOLUBLE BOD5	54.00	11.00	16.00	8.00	6.00
TOT SUSP SOLIDS	216.00	62.00	5.00	2.00	4.00
VOL SUSP SOLIDS	143.00	48.00	3.00	2.00	4.00
TOTAL COD	535.90	239.60	42.90	43.10	45.20
SOLUBLE COD	159.10	49.60	41.50	43.00	44.40
TOTL PHOSPHORUS	1.18			1.81	1.77
TKN	20.60			23.70	21.40
NH4+ - N	26.20			33.30	27.80
NO2- - N				0.10	
NO3- - N				0.30	
ALGAE CELL CNT		0.31	2.40	2.20	3.90
FECAL COLIFORM				17.00	2.00
TURBIDITY	188.00	137.00	7.20	6.50	2.00
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 88 SOL BOD 89 TOT SUSP SOL 98
TOT COD 92 SOL COD 72

DATE 10 7 76

HIGH TEMP 13.3 LOW TEMP 9.4 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.60				1.05
W W FLOW PEAK	0.90				1.39
W W TEMP	17.80	21.10	18.90	17.20	17.20
PH	5.50	6.70	7.10	7.10	7.00
DIS. OXYGEN	9.10	5.50	4.40	3.60	5.00
ALKALINITY	15.60	62.60	89.00	95.20	90.20
TOTAL BOD5	108.00	34.00	8.00	8.00	5.00
SOLUBLE BOD5	54.00	13.00	6.00	7.00	5.00
TOT SUSP SOLIDS	231.00	46.00	3.00	4.00	3.00
VOL SUSP SOLIDS	155.00	38.00	3.00	3.00	3.00
TOTAL COD	413.20	255.40	46.18	42.30	44.00
SOLUBLE COD	152.40	23.40	44.80	40.60	40.50
TOTL PHOSPHORUS	6.06			1.86	1.90
TKN	21.70			25.00	21.90
NH4+ - N	21.50			23.90	24.30
NO2- - N				0.10	
NO3- - N				0.34	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				17.00	2.00
TURBIDITY	192.00	143.00	8.40	8.20	7.30
CHLORINE RESID.					0.70

% REMOVAL TOT BOD 95 SOL BOD 91 TOT SUSP SOL 99
TOT COD 89 SOL COD 73

DATE 10 8 76

HIGH TEMP 12.8 LOW TEMP 11.1 RAIN 1.27 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.90				0.95
W W FLOW PEAK	1.20				1.05
W W TEMP	18.90	21.10	17.80	17.20	17.20
PH	5.90	6.80	7.10	7.10	7.00
DIS. OXYGEN	8.90	5.10	6.10	4.00	6.00
ALKALINITY	28.40	63.40	94.40	92.60	90.00
TOTAL BOD5	120.00	25.00	13.00	7.00	7.00
SOLUBLE BOD5	48.00	12.00	7.00	7.00	7.00
TOT SUSP SOLIDS	110.00	33.00	3.00	2.00	3.00
VOL SUSP SOLIDS	75.00	29.00	3.00	2.00	3.00
TOTAL COD	674.20	309.20	50.70	39.10	33.90
SOLUBLE COD	248.90	55.50	41.40	37.10	31.20
TOTL PHOSPHORUS	0.18			1.72	1.72
TKN	15.40			17.20	17.90
NH4+ - N	19.00			22.00	23.50
NO2- - N				0.09	
NO3- - N				0.31	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				21.00	2.00
TURBIDITY	256.00	107.00	9.80	10.10	8.60
CHLORINE RESID.					*******

% REMOVAL TOT BOD 94 SOL BOD 85 TOT SUSP SOL 97
TOT COD 95 SOL COD 87

DATE 10 9 76

HIGH TEMP 10.0 LOW TEMP 10.0 RAIN 2.54 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	2.00				1.00
W W FLOW PEAK	3.00				1.29
W W TEMP	15.60	19.40	16.10	15.60	15.60
PH	5.80	6.70	7.10	7.10	7.00
DIS. OXYGEN	8.80	3.40	4.10	4.40	5.10
ALKALINITY	27.40	63.80	93.40	112.60	89.40
TOTAL BOD5	48.00	17.00	7.00	5.00	4.00
SOLUBLE BOD5	51.00	17.00	16.00	8.00	6.00
TOT SUSP SOLIDS	154.00	35.00	7.00	4.00	5.00
VOL SUSP SOLIDS	97.00	29.00	7.00	4.00	5.00
TOTAL COD	682.20	271.90	37.50	40.40	40.20
SOLUBLE COD	376.60	45.50	37.40	39.70	38.20
TOTL PHOSPHORUS	1.27			1.68	1.68
TKN	15.20			27.50	26.20
NH4+ - N	17.50			27.60	26.80
NO2- - N				0.14	
NO3- - N				0.36	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				7.00	2.00
TURBIDITY	134.00	64.00	12.30	12.30	12.80
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 92 SOL BOD 88 TOT SUSP SOL 97
TOT COD 94 SOL COD 90

DATE 10 10 76

HIGH TEMP 12.8 LOW TEMP 4.4 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.20				1.40
W W FLOW PEAK	2.40				1.75
W W TEMP	15.00	17.20	15.00	13.90	13.90
PH	5.30	6.60	7.00	7.10	7.00
DIS. OXYGEN	10.80	4.60	6.40	5.10	6.90
ALKALINITY	5.80	58.60	91.60	93.80	89.00
TOTAL BOD5	138.00	56.00	19.00	35.00	15.00
SOLUBLE BOD5	69.00	34.00	32.00	20.00	10.00
TOT SUSP SOLIDS	77.00	29.00	5.00	6.00	6.00
VOL SUSP SOLIDS	36.00	22.00	5.00	5.00	6.00
TOTAL COD	647.20	253.30	38.50	39.20	38.10
SOLUBLE COD	293.30	43.30	37.40	35.90	35.10
TOTL PHOSPHORUS	0.52			1.50	1.46
TKN	3.41			23.70	23.40
NH4+ - N	3.55			23.40	24.90
NO2- - N				0.14	
NO3- - N				0.33	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				13.00	2.00
TURBIDITY	88.00	44.00	10.00	9.70	10.60
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 89 SOL BOD 86 TOT SUSP SOL 92
TOT COD 94 SOL COD 88

DATE 10 11 76

HIGH TEMP 15.6 LOW TEMP 2.8 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.30				1.75
W W FLOW PEAK	1.80				1.83
W W TEMP	15.00	17.80	15.00	13.90	13.90
PH	5.10	6.60	7.10	7.20	7.10
DIS. OXYGEN	10.80	6.40	6.80	5.80	7.00
ALKALINITY	4.40	50.20	87.60	88.80	87.40
TOTAL BOD5	84.00	74.00	40.00	46.00	31.00
SOLUBLE BOD5	93.00	31.00	40.00	23.00	11.00
TOT SUSP SOLIDS	111.00	18.00	6.00	5.00	5.00
VOL SUSP SOLIDS	86.00	15.00	5.00	4.00	5.00
TOTAL COD	647.10	253.30	38.40	38.20	38.10
SOLUBLE COD	295.30	43.30	37.30	35.90	35.10
TOTL PHOSPHORUS	4.13			1.50	1.55
TKN	*******			*******	*******
NH4+ - N	12.80			32.60	35.60
NO2- - N				0.14	
NO3- - N				0.50	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				8.00	2.00
TURBIDITY	126.00	28.00	11.80	10.90	11.60
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 63 SOL BOD 88 TOT SUSP SOL 95
TOT COD 94 SOL COD 88

DATE 10 12 76

HIGH TEMP 20.6 LOW TEMP 0.0 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.80				1.53
W W FLOW PEAK	1.20				1.85
W W TEMP	14.40	18.30	15.00	12.20	12.80
PH	5.00	6.60	7.10	7.20	7.10
DIS. OXYGEN	9.80	6.60	6.60	6.00	7.10
ALKALINITY	5.60	45.40	86.00	79.20	84.00
TOTAL BOD5	66.00	20.00	19.00	26.00	10.00
SOLUBLE BOD5	54.00	13.00	11.00	12.00	6.00
TOT SUSP SOLIDS	212.00	14.00	4.00	3.00	4.00
VOL SUSP SOLIDS	142.00	11.00	4.00	3.00	4.00
TOTAL COD	579.30	101.20	37.60	35.30	34.70
SOLUBLE COD	322.80	26.30	36.30	34.30	33.60
TOTL PHOSPHORUS	5.82			1.46	1.46
TKN	16.50			25.10	23.00
NH4+ - N	17.20			26.40	24.80
NO2- - N				0.16	
NO3- - N				0.56	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				14.00	2.00
TURBIDITY	194.00	24.00	11.30	8.90	9.60
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 85 SOL BOD 89 TOT SUSP SOL 98
TOT COD 94 SOL COD 90

DATE 10 13 76

HIGH TEMP 22.2 LOW TEMP 3.3 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.70				1.10
W W FLOW PEAK	1.00				1.50
W W TEMP	13.90	16.70	16.10	15.00	14.40
PH	4.60	6.50	7.00	7.00	7.00
DIS. OXYGEN	10.00	5.60	5.40	5.00	6.50
ALKALINITY	2.40	44.00	85.00	87.60	82.20
TOTAL BOD5	90.00	34.00	32.00	31.00	11.00
SOLUBLE BOD5	60.00	16.00	5.00	7.00	5.00
TOT SUSP SOLIDS	176.00	12.00	6.00	8.00	6.00
VOL SUSP SOLIDS	103.00	11.00	6.00	7.00	6.00
TOTAL COD	588.40	69.40	37.30	35.40	34.30
SOLUBLE COD	157.60	37.30	35.90	35.70	33.17
TOTL PHOSPHORUS	5.04			1.30	1.42
TKN	21.00			26.30	25.40
NH4+ - N	24.10			30.20	30.30
NO2- - N				0.16	
NO3- - N				0.73	
ALGAE CELL CNT		15.10	1.00	0.70	0.80
FECAL COLIFORM				33.00	2.00
TURBIDITY	150.00	26.00	10.50	10.50	10.50
CHLORINE RESID.					0.80

% REMOVAL TOT BOD 88 SOL BOD 92 TOT SUSP SOL 97
TOT COD 94 SOL COD 79

DATE 10 14 76

HIGH TEMP 20,0 LOW TEMP 4,4 RAIN 0,00 SNOW 0,00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0,80				0,90
W W FLOW PEAK	1,20				1,10
W W TEMP	16,10	17,80	15,00	13,90	13,90
PH	4,60	6,60	7,10	7,10	7,00
DIS. OXYGEN	8,60	6,20	5,00	6,20	6,80
ALKALINITY	2,60	45,20	44,40	83,60	78,60
TOTAL BODS	60,00	14,00	11,00	9,00	3,00
SOLUBLE BODS	48,00	17,00	33,00	15,00	8,00
TOT SUSP SOLIDS	108,00	7,00	5,00	5,00	4,00
VOL SUSP SOLIDS	79,00	7,00	5,00	5,00	4,00
TOTAL COD	219,10	82,30	36,90	35,20	32,70
SOLUBLE COD	339,90	44,80	34,90	34,60	33,20
TOTL PHOSPHORUS	9,05			1,34	1,46
TKN	18,90			22,11	18,13
NH4+ - N	18,10			23,70	21,40
NO2- - N				0,16	
NO3- - N				0,65	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				7,00	2,00
TURBIDITY	153,00	22,00	9,20	8,60	10,10
CHLORINE RESID.					1,00

% REMOVAL TOT BOD 95 SOL BOD 83 TOT SUSP SOL 96
TOT COD 85 SOL COD 90

DATE 10 15 76

HIGH TEMP 23.9 LOW TEMP 1.7 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.00				0.83
W W FLOW PEAK	1.70				0.98
W W TEMP	15.00	17.20	15.00	15.00	15.00
PH	6.00	6.60	7.00	7.00	6.90
DIS. OXYGEN	9.50	6.20	6.40	6.20	7.30
ALKALINITY	67.60	41.00	78.20	80.20	77.60
TOTAL BOD5	108.00	50.00	22.00	40.00	11.00
SOLUBLE BOD5	42.00	50.00	42.00	37.00	6.00
TOT SUSP SOLIDS	32.00	8.00	4.00	5.00	3.00
VOL SUSP SOLIDS	19.00	7.00	4.00	5.00	3.00
TOTAL COD	945.60	141.40	35.30	35.40	35.10
SOLUBLE COD	144.80	115.30	34.30	33.40	33.30
TOTL PHOSPHORUS	5.20			1.27	1.12
TKN	23.10			23.70	24.10
NH4+ - N	20.10			26.60	23.00
NO2- - N				0.18	
NO3- - N				0.52	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				11.00	2.00
TURBIDITY	126.00	21.00	9.80	8.70	9.30
CHLORINE RESID.					1.00

% REMOVAL TOT BOD 90 SOL BOD 86 TOT SUSP SOL 91
TOT COD 96 SOL COD 77

DATE 10 16 76

HIGH TEMP 16.7 LOW TEMP 3.3 RAIN 0.16 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.20				0.85
W W FLOW PEAK	1.50				1.00
W W TEMP	14.40	17.80	15.00	13.30	13.30
PH	5.80	6.50	7.00	7.00	7.00
DIS. OXYGEN	9.10	5.20	5.10	4.80	6.40
ALKALINITY	24.80	39.20	80.60	80.60	76.40
TOTAL BOD5	72.00	74.00	39.00	40.00	38.00
SOLUBLE BOD5	87.00	49.00	34.00	34.00	12.00
TOT SUSP SOLIDS	65.00	4.00	1.00	0.00	0.00
VOL SUSP SOLIDS	44.00	4.00	1.00	0.00	0.00
TOTAL COD	355.40	80.90	34.70	33.10	32.50
SOLUBLE COD	78.90	49.70	27.80	26.70	25.90
TOTL PHOSPHORUS	6.26			1.12	1.00
TKN	19.40			19.30	20.40
NH4+ - N	18.00			22.00	20.40
NO2- - N				0.16	
NO3- - N				1.18	
ALGAE CELL CNT		4.90	0.70	0.80	1.20
FECAL COLIFORM				17.00	2.00
TURBIDITY	165.00	22.00	6.50	5.30	5.80
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 47 SOL BOD 86 TOT SUSP SOL 100
TOT COD 91 SOL COD 67

DATE 10 17 76

HIGH TEMP 10.0 LOW TEMP 1.7 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.90				1.05
W W FLOW PEAK	1.40				1.20
W W TEMP	13.90	16.10	14.40	12.80	12.20
PH	5.70	6.50	6.90	7.00	6.90
DIS. OXYGEN	10.10	6.40	6.00	6.30	7.10
ALKALINITY	20.60	37.60	76.20	78.00	74.20
TOTAL BOD5	96.00	43.00	41.00	42.00	14.00
SOLUBLE BOD5	69.00	20.00	37.00	42.00	13.00
TOT SUSP SOLIDS	47.00	8.00	3.00	4.00	4.00
VOL SUSP SOLIDS	29.00	5.00	2.00	4.00	4.00
TOTAL COD	469.40	54.40	35.60	35.30	35.40
SOLUBLE COD	214.90	49.60	28.10	27.90	32.10
TOTL PHOSPHORUS	2.50			0.96	0.96
TKN	22.10			23.20	22.80
NH4+ - N	22.50			24.90	23.60
NO2- - N				0.08	
NO3- - N				0.38	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				49.00	2.00
TURBIDITY	179.00	25.00	11.60	13.40	12.30
CHLORINE RESID.					0.80

% REMOVAL TOT BOD 85 SOL BOD 81 TOT SUSP SOL 91
TOT COD 92 SOL COD 85

DATE 10 18 76

HIGH TEMP 8.9 LOW TEMP -0.5 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.00				1.20
W W FLOW PEAK	1.60				1.30
W W TEMP	15.00	16.10	13.90	12.20	12.20
PH	5.80	6.60	7.00	7.00	6.90
DIS. OXYGEN	9.20	6.00	7.00	7.20	8.20
ALKALINITY	19.80	39.40	75.80	76.60	71.20
TOTAL BOD5	96.00	60.00	43.00	47.00	34.00
SOLUBLE BOD5	87.00	24.00	29.00	17.00	8.00
TOT SUSP SOLIDS	195.00	81.00	11.00	11.00	11.00
VOL SUSP SOLIDS	129.00	75.00	10.00	11.00	10.00
TOTAL COD	300.40	84.10	31.40	28.60	28.20
SOLUBLE COD	124.90	47.70	29.70	28.20	28.00
TOTL PHOSPHORUS	3.87			0.96	0.96
TKN	*******			*******	*******
NH4+ - N	37.10			34.90	35.00
NO2- - N				0.16	
NO3- - N				0.65	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				130.00	2.00
TURBIDITY	190.00	22.00	4.30	3.90	4.70
CHLORINE RESID.					0.80

% REMOVAL TOT BOD 65 SOL BOD 91 TOT SUSP SOL 94
TOT COD 91 SOL COD 78

DATE 10 19 76

HIGH TEMP 11.1 LOW TEMP -3.8 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.00				1.10
W W FLOW PEAK	1.60				1.30
W W TEMP	13.90	16.10	10.60	10.00	10.00
PH	6.00	6.50	7.00	7.00	7.00
DIS. OXYGEN	8.50	7.20	6.80	6.40	8.00
ALKALINITY	36.60	38.20	71.40	74.80	72.20
TOTAL BOD5	144.00	48.00	39.00	22.00	8.00
SOLUBLE BOD5	48.00	54.00	38.00	42.00	8.00
TOT SUSP SOLIDS	229.00	13.00	4.00	4.00	6.00
VOL SUSP SOLIDS	155.00	10.00	4.00	4.00	5.00
TOTAL COD	486.20	78.50	32.90	32.10	30.40
SOLUBLE COD	143.50	48.20	32.10	31.70	30.20
TOTL PHOSPHORUS	6.15			0.96	0.80
TKN	30.00			32.50	34.10
NH4+ - N	22.80			21.50	21.50
NO2- - N				0.18	
NO3- - N				0.85	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				49.00	2.00
TURBIDITY	246.00	26.00	2.60	1.40	2.70
CHLORINE RESID.					0.80

% REMOVAL TOT BOD 94 SOL BOD 83 TOT SUSP SOL 97
TOT COD 94 SOL COD 79

DATE 10 20 76

HIGH TEMP 7.8 LOW TEMP -1.0 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.20				1.10
W W FLOW PEAK	1.70				1.25
W W TEMP	12.20	16.10	10.60	10.00	10.00
PH	6.10	6.60	7.10	7.10	6.90
DIS. OXYGEN	7.40	7.00	7.00	6.60	7.70
ALKALINITY	41.60	38.60	68.00	70.20	66.60
TOTAL BOD5	186.00	77.00	44.00	45.00	38.00
SOLUBLE BOD5	102.00	72.00	44.00	48.00	17.00
TOT SUSP SOLIDS	216.00	18.00	8.00	7.00	8.00
VOL SUSP SOLIDS	149.00	11.00	6.00	5.00	5.00
TOTAL COD	812.50	56.80	30.60	36.90	26.20
SOLUBLE COD	171.30	48.20	37.60	37.20	35.80
TOTL PHOSPHORUS	5.97			1.00	0.83
TKN	30.00			25.00	21.80
NH4+ - N	27.30			24.00	22.40
NO2- - N				0.18	
NO3- - N				0.88	
ALGAE CELL CNT		0.64	0.08	0.50	0.60
FECAL COLIFORM				17.00	2.00
TURBIDITY	226.00	21.00	6.50	3.80	4.60
CHLORINE RESID.					0.70

% REMOVAL TOT BOD 80 SOL BOD 83 TOT SUSP SOL 96
TOT COD 97 SOL COD 79

DATE 10 21 76

HIGH TEMP 8.9 LOW TEMP 2.2 RAIN 0.15 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.80				1.25
W W FLOW PEAK	2.40				1.65
W W TEMP	16.10	16.10	12.20	11.10	11.10
PH	6.10	6.70	7.00	7.00	7.00
DIS. OXYGEN	9.40	6.80	8.10	7.00	6.70
ALKALINITY	30.60	38.40	67.60	69.00	64.00
TOTAL BOD5	126.00	79.00	42.00	46.00	48.00
SOLUBLE BOD5	99.00	71.00	44.00	49.00	17.00
TOT SUSP SOLIDS	27.00	10.00	3.00	4.00	5.00
VOL SUSP SOLIDS	18.00	8.00	3.00	4.00	4.00
TOTAL COD	288.10	126.80	43.90	39.10	35.00
SOLUBLE COD	115.90	45.00	40.40	34.40	29.80
TOTL PHOSPHORUS	3.62			0.80	0.75
TKN	24.50			25.70	24.60
NH4+ - N	22.90			34.80	34.80
NO2- - N				0.18	
NO3- - N				0.98	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				130.00	2.00
TURBIDITY	246.00	30.00	2.00	2.80	2.70
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 62 SOL BOD 83 TOT SUSP SOL 81
TOT COD 88 SOL COD 74

DATE 10 22 76

HIGH TEMP 7.8 LOW TEMP 0.6 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.10				1.67
W W FLOW PEAK	1.60				1.88
W W TEMP	14.40	15.00	12.20	11.10	10.60
PH	6.10	6.60	7.00	7.00	6.90
DIS. OXYGEN	8.00	5.70	8.60	7.60	7.10
ALKALINITY	32.80	38.20	61.60	60.60	60.00
TOTAL BOD5	108.00	43.00	41.00	45.00	16.00
SOLUBLE BOD5	63.00	14.00	44.00	46.00	12.00
TOT SUSP SOLIDS	42.00	5.00	3.00	5.00	5.00
VOL SUSP SOLIDS	26.00	3.00	1.00	3.00	2.00
TOTAL COD	560.40	137.50	37.90	37.80	34.50
SOLUBLE COD	237.70	44.30	37.20	34.10	33.80
TOTL PHOSPHORUS	4.02			0.83	0.67
TKN	19.00			23.20	21.50
NH4+ - N	27.20			29.30	30.40
NO2- - N				0.21	
NO3- - N				1.04	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				9.00	2.00
TURBIDITY	178.00	20.00	4.60	3.20	6.80
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 85 SOL BOD 81 TOT SUSP SOL 88
TOT COD 94 SOL COD 86

DATE 10 23 76

HIGH TEMP 14.4 LOW TEMP -3.2 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.00				1.80
W W FLOW PEAK	1.60				1.85
W W TEMP	12.20	15.00	11.10	10.00	8.90
PH	6.20	6.60	6.80	6.70	6.80
DIS. OXYGEN	10.80	6.70	7.60	7.30	7.30
ALKALINITY	35.20	37.00	58.40	58.80	56.60
TOTAL BOD5	114.00	60.00	38.00	41.00	38.00
SOLUBLE BOD5	99.00	50.00	40.00	41.00	17.00
TOT SUSP SOLIDS	160.00	10.00	1.00	2.00	2.00
VOL SUSP SOLIDS	110.00	8.00	1.00	2.00	2.00
TOTAL COD	316.60	135.90	38.00	37.80	37.20
SOLUBLE COD	185.50	44.80	37.50	37.20	36.30
TOTL PHOSPHORUS	5.07			0.84	0.64
TKN	20.30			17.70	15.70
NH4+ - N	20.40			21.40	20.10
NO2- - N				1.10	
NO3- - N				1.02	
ALGAE CELL CNT		8.80	0.90	1.70	3811.90
FECAL COLIFORM				110.00	2.00
TURBIDITY	210.00	23.00	6.40	4.20	4.60
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 67 SOL BOD 83 TOT SUSP SOL 99
TOT COD 88 SOL COD 80

DATE 10 24 76

HIGH TEMP 8.9 LOW TEMP -2.7 RAIN 0.16 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.45				1.65
W W FLOW PEAK	1.85				1.75
W W TEMP	13.90	15.00	12.20	11.10	12.20
PH	6.10	6.50	6.80	6.80	6.70
DIS. OXYGEN	9.80	5.50	6.40	6.00	6.40
ALKALINITY	41.20	37.60	53.60	57.40	53.40
TOTAL BOD5	138.00	52.00	37.00	38.00	11.00
SOLUBLE BOD5	66.00	54.00	42.00	40.00	10.00
TOT SUSP SOLIDS	201.00	6.00	3.00	1.00	2.00
VOL SUSP SOLIDS	138.00	5.00	2.00	1.00	2.00
TOTAL COD	369.50	75.90	39.00	37.40	37.50
SOLUBLE COD	118.90	44.90	38.74	37.70	37.20
TOTL PHOSPHORUS	7.84			0.75	0.98
TKN	21.80			19.80	19.30
NH4+ - N	24.60			23.10	23.80
NO2- - N				1.20	
NO3- - N				1.45	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				130.00	2.00
TURBIDITY	190.00	25.00	10.40	4.60	3.30
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 92 SOL BOD 85 TOT SUSP SOL 99
TOT COD 90 SOL COD 69

DATE 10 25 76

HIGH TEMP 14.4 LOW TEMP 5.6 RAIN 0.08 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.30				1.65
W W FLOW PEAK	2.00				1.70
W W TEMP	15.00	16.10	12.20	12.20	12.20
PH	6.10	6.40	6.80	6.80	6.70
DIS. OXYGEN	9.80	6.50	7.50	7.40	8.40
ALKALINITY	25.60	37.80	42.80	53.60	51.20
TOTAL BOD5	168.00	67.00	46.00	49.00	43.00
SOLUBLE BOD5	117.00	80.00	46.00	50.00	21.00
TOT SUSP SOLIDS	127.00	14.00	4.00	6.00	5.00
VOL SUSP SOLIDS	83.00	12.00	4.00	4.00	3.00
TOTAL COD	735.10	74.60	25.70	25.50	24.00
SOLUBLE COD	147.80	50.70	23.60	24.60	23.40
TOTL PHOSPHORUS	2.25			0.98	0.98
TKN	10.90			19.00	21.30
NH4+ - N	15.50			23.10	25.60
NO2- - N				1.00	
NO3- - N				1.04	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				350.00	2.00
TURBIDITY	131.00	21.00	11.00	2.30	4.50
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 74 SOL BOD 82 TOT SUSP SOL 96
TOT COD 97 SOL COD 84

DATE 10 26 76

HIGH TEMP 7.8 LOW TEMP 2.8 RAIN 0.16 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.60				1.70
W W FLOW PEAK	2.10				1.85
W W TEMP	13.30	15.00	11.10	10.00	9.40
PH	4.80	6.40	6.70	6.80	6.70
DIS. OXYGEN	10.80	7.20	7.70	8.40	8.70
ALKALINITY	4.40	37.40	42.00	48.40	46.60
TOTAL BOD5	108.00	65.00	46.00	48.00	36.00
SOLUBLE BOD5	105.00	65.00	46.00	47.00	23.00
TOT SUSP SOLIDS	528.00	13.00	4.00	1.00	1.00
VOL SUSP SOLIDS	427.00	9.00	4.00	1.00	1.00
TOTAL COD	953.40	466.10	94.10	91.50	90.10
SOLUBLE COD	454.30	119.20	91.50	91.20	*******
TOTL PHOSPHORUS	2.05			0.98	0.98
TKN	12.40			20.70	19.80
NH4+ - N	8.40			19.20	19.90
NO2- - N				0.71	
NO3- - N				1.41	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				350.00	2.00
TURBIDITY	86.00	17.00	2.70	6.30	6.60
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 67 SOL BOD 78 TOT SUSP SOL 100
TOT COD 91 SOL COD****

DATE 10 27 76

HIGH TEMP 6.1 LOW TEMP -5.5 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.00				1.50
W W FLOW PEAK	1.60				1.80
W W TEMP	12.80	15.00	10.00	10.00	8.90
PH	4.70	6.40	6.80	6.80	6.80
DIS. OXYGEN	10.60	7.60	7.20	8.40	8.40
ALKALINITY	3.00	31.60	44.20	44.40	41.40
TOTAL BOD5	120.00	72.00	48.00	48.00	0.60
SOLUBLE BOD5	42.00	8.00	40.00	47.00	0.00
TOT SUSP SOLIDS	162.00	13.00	6.00	6.00	9.00
VOL SUSP SOLIDS	106.00	11.00	4.00	4.00	6.00
TOTAL COD	463.10	105.30	37.10	43.10	36.40
SOLUBLE COD	105.90	85.90	75.90	65.80	35.90
TOTL PHOSPHORUS	3.42			0.98	0.38
TKN	27.40			32.50	30.80
NH4+ - N	18.20			28.60	40.10
NO2- - N				1.10	
NO3- - N				1.33	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				79.00	2.00
TURBIDITY	180.00	15.00	6.20	7.30	5.40
CHLORINE RESID.					0.80

% REMOVAL TOT BOD 100 SOL BOD 100 TOT SUSP SOL 94
TOT COD 92 SOL COD 66

DATE 10 28 76

HIGH TEMP 7.2 LOW TEMP -7.7 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.90				1.30
W W FLOW PEAK	1.40				1.50
W W TEMP	12.20	14.40	11.10	8.30	7.80
PH	5.60	6.60	6.80	6.80	6.90
DIS. OXYGEN	9.60	8.20	8.70	8.90	8.40
ALKALINITY	14.20	30.80	46.80	43.60	39.60
TOTAL BOD5	108.00	48.00	41.00	44.00	35.00
SOLUBLE BOD5	57.00	79.00	19.00	41.00	6.00
TOT SUSP SOLIDS	251.00	8.00	3.00	4.00	2.00
VOL SUSP SOLIDS	172.00	6.00	3.00	4.00	2.00
TOTAL COD	469.50	55.70	42.80	39.40	37.40
SOLUBLE COD	178.10	53.10	41.40	39.10	37.20
TOTL PHOSPHORUS	2.58			0.69	0.54
TKN	19.20			22.80	18.80
NH4+ - N	19.80			24.90	22.70
NO2- - N				0.96	
NO3- - N				1.40	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				170.00	2.00
TURBIDITY	214.00	29.00	4.60	3.80	4.80
CHLORINE RESID.					1.00

% REMOVAL TOT BOD 68 SOL BOD 89 TOT SUSP SOL 99
TOT COD 92 SOL COD 79

DATE 10 29 76

HIGH TEMP 14.4 LOW TEMP -1.6 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.80				1.20
W W FLOW PEAK	1.30				1.35
W W TEMP	12.20	15.00	10.00	7.80	7.80
PH	4.60	6.40	6.70	6.70	6.70
DIS. OXYGEN	9.80	8.70	8.50	8.20	8.00
ALKALINITY	4.00	28.00	41.00	41.20	38.20
TOTAL BOD5	132.00	12.00	26.00	34.00	2.00
SOLUBLE BOD5	30.00	37.00	35.00	34.00	0.60
TOT SUSP SOLIDS	70.00	12.00	5.00	5.00	6.00
VOL SUSP SOLIDS	42.00	7.00	3.00	3.00	4.00
TOTAL COD	394.30	106.10	41.10	39.80	38.10
SOLUBLE COD	88.60	74.20	40.60	39.70	37.60
TOTL PHOSPHORUS	5.50			0.59	0.98
TKN	20.70			20.40	18.60
NH4+ - N	13.70			25.30	20.10
NO2- - N				1.38	
NO3- - N				2.12	
ALGAE CELL CNT		*******	*******	*******	*******
FECAL COLIFORM				79.00	2.00
TURBIDITY	238.00	26.00	5.90	7.80	5.60
CHLORINE RESID.					1.00

% REMOVAL TOT BOD 98 SOL BOD 98 TOT SUSP SOL 91
TOT COD 90 SOL COD 58

DATE 10 30 76

HIGH TEMP 11.1 LOW TEMP -2.7 RAIN 0.00 SNOW 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.80				1.05
W W FLOW PEAK	1.00				1.20
W W TEMP	12.80	12.80	10.00	8.90	8.90
PH	4.50	6.40	6.70	6.70	6.60
DIS. OXYGEN	9.50	7.40	7.40	6.60	6.60
ALKALINITY	2.40	27.80	41.20	40.60	38.00
TOTAL BOD5	210.00	34.00	38.00	44.00	38.00
SOLUBLE BOD5	153.00	74.00	47.00	47.00	36.00
TOT SUSP SOLIDS	247.00	8.00	3.00	3.00	3.00
VOL SUSP SOLIDS	159.00	5.00	1.00	1.00	3.00
TOTAL COD	566.80	156.20	39.71	39.66	38.07
SOLUBLE COD	239.40	78.30	38.87	39.62	37.13
TOTL PHOSPHORUS	5.75			0.54	0.44
TKN	26.94			26.30	26.00
NH4+ - N	32.60			30.50	26.90
NO2- - N				0.48	
NO3- - N				1.64	
ALGAE CELL CNT		2.10	1.10	0.30	100.50
FECAL COLIFORM				79.00	2.00
TURBIDITY	230.00	33.00	7.20	5.80	7.90
CHLORINE RESID.					0.80

% REMOVAL TOT BOD 82 SOL BOD 76 TOT SUSP SOL 99
TOT COD 93 SOL COD 84

Appendix B – Data Averaging

AVERAGES FROM DATE 11 7 75 TO DATE 11 13 75 INCLUSIVE

HIGH TEMP = 14.77 LOW TEMP = 7.29 RAIN = 0.00 SNOW = 0.0

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.50				0.22
W W FLOW PEAK	0.98				0.47
W W TEMP	15.94	19.21	14.60	13.97	13.97
PH	6.67	7.21	6.91	6.84	6.32
DIS. OXYGEN	8.64	5.76	13.37	13.20	13.16
ALKALINITY	44.81	56.13	11.63	10.67	5.34
TOTAL BOD5	176.57	19.29	8.00	6.86	1.03
SOLUBLE BOD5	73.71	14.86	6.43	7.80	0.94
TOT SUSP SOLIDS	185.57	18.71	2.14	1.86	2.00
VOL SUSP SOLIDS	125.83	11.83	2.00	2.00	2.00
TOTAL COD	267.40	36.59	21.91	21.01	18.07
SOLUBLE COD	57.69	32.75	25.04	23.10	25.46
TOTL PHOSPHORUS	4.92			0.59	0.69
TKN	21.91			14.43	13.51
NH4+ - N	20.41			12.04	11.51
NO2- - N				0.11	
NO3- - N				2.59	
ALGAE CELL CNT		4.70	56.00	24.60	17.10
FECAL COLIFORM				2.86	2.00
TURBIDITY	*******	*******	*******	*******	*******
CHLORINE RESID.					0.49

% REMOVAL TOT BOD 99 SOL BOD 99 TOT SUSP SOL 99
TOT COD 93 SOL COD 56

AVERAGES FROM DATE 12 2 75 TO DATE 12 8 75 INCLUSIVE

HIGH TEMP = 7.77 LOW TEMP = -4.20 RAIN = 0.00 SNOW = 0.0

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.43				0.57
W W FLOW PEAK	1.06				0.63
W W TEMP	12.79	14.13	8.40	7.53	6.81
PH	6.91	7.11	7.08	7.04	6.88
DIS. OXYGEN	7.16	5.16	14.43	14.39	14.09
ALKALINITY	81.14	79.07	27.39	24.51	22.07
TOTAL BOD5	203.14	43.43	13.43	14.43	4.57
SOLUBLE BOD5	76.00	42.14	10.00	12.29	3.23
TOT SUSP SOLIDS	178.43	20.57	3.57	3.00	3.57
VOL SUSP SOLIDS	125.00	13.29	2.57	2.43	2.29
TOTAL COD	376.44	48.39	20.15	16.79	16.67
SOLUBLE COD	97.13	35.97	21.20	19.63	16.37
TOTL PHOSPHORUS	6.78			0.98	1.15
TKN	29.50			19.50	17.90
NH4+ - N	37.24			16.61	15.57
NO2- - N				0.10	
NO3- - N				2.63	
ALGAE CELL CNT		0.10	0.86	0.36	0.12
FECAL COLIFORM				922.86	2.00
TURBIDITY	256.14	47.57	25.00	10.00	5.00
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 98 SOL BOD 96 TOT SUSP SOL 98
TOT COD 96 SOL COD 83

AVERAGES FROM DATE 1 6 76 TO DATE 1 12 76 INCLUSIVE

HIGH TEMP = -0.20 LOW TEMP =-10.23 RAIN = 0.00 SNOW = 3.2

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.98				0.61
W W FLOW PEAK	1.99				0.73
W W TEMP	9.04	12.30	3.73	2.21	2.30
PH	5.94	6.91	7.31	7.31	7.18
DIS. OXYGEN	11.24	5.49	14.04	14.27	13.84
ALKALINITY	40.64	66.79	78.74	80.40	78.84
TOTAL BODS	151.71	30.43	21.29	20.71	8.71
SOLUBLE BODS	60.57	25.29	13.43	16.29	4.57
TOT SUSP SOLIDS	127.57	38.14	12.86	11.71	13.14
VOL SUSP SOLIDS	88.86	28.29	9.43	9.00	9.43
TOTAL COD	211.13	56.93	41.72	40.13	39.36
SOLUBLE COD	73.97	46.77	36.37	37.61	40.64
TOTL PHOSPHORUS	3.56			1.29	1.42
TKN	16.70			22.33	21.44
NH4+ - N	15.17			22.29	22.19
NO2- - N				0.10	
NO3- - N				0.52	
ALGAE CELL CNT		803.10	988.45	1929.65	419.95
FECAL COLIFORM				2400.00	3.57
TURBIDITY	135.99	71.09	17.55	17.40	17.38
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 94 SOL BOD 92 TOT SUSP SOL 90
TOT COD 81 SOL COD 45

AVERAGES FROM DATE 2 1 76 TO DATE 2 7 76 INCLUSIVE

HIGH TEMP = -2.40 LOW TEMP = -9.19 RAIN = 0.00 SNOW = 1.4

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.76				0.64
W W FLOW PEAK	1.36				0.75
W W TEMP	8.74	12.70	3.24	3.09	3.09
PH	6.44	6.68	7.11	7.14	7.07
DIS. OXYGEN	13.31	2.50	14.86	15.00	14.97
ALKALINITY	26.73	48.60	72.37	74.61	68.63
TOTAL BOD5	221.14	55.00	27.14	22.86	10.14
SOLUBLE BOD5	90.43	59.43	27.14	23.43	6.29
TOT SUSP SOLIDS	115.14	46.14	16.43	15.00	14.57
VOL SUSP SOLIDS	76.29	34.14	13.57	12.00	11.86
TOTAL COD	227.39	69.53	48.10	45.42	45.10
SOLUBLE COD	80.06	43.99	42.44	38.96	38.67
TOTL PHOSPHORUS	3.92			0.87	0.89
TKN	16.61			20.37	21.10
NH4+ - N	15.11			19.79	20.16
NO2- - N				0.10	
NO3- - N				0.35	
ALGAE CELL CNT		1316.95	641.90	651.55	750.10
FECAL COLIFORM				285.71	3.57
TURBIDITY	131.29	77.43	23.10	20.63	22.08
CHLORINE RESID.					0.57

% REMOVAL TOT BOD 95 SOL BOD 93 TOT SUSP SOL 87
TOT COD 80 SOL COD 52

AVERAGES FROM DATE 2 8 76 TO DATE 2 14 76 INCLUSIVE

HIGH TEMP = 8.09 LOW TEMP = -5.53 RAIN = 0.00 SNOW = 0.0

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.95				0.60
W W FLOW PEAK	2.21				0.71
W W TEMP	8.73	12.46	4.20	3.64	4.13
PH	6.20	6.66	6.98	7.00	6.96
DIS. OXYGEN	13.54	2.86	14.83	14.94	14.86
ALKALINITY	28.09	44.19	66.61	61.77	63.11
TOTAL BOD5	219.43	85.14	41.43	39.71	9.57
SOLUBLE BOD5	112.29	70.71	41.43	40.57	7.29
TOT SUSP SOLIDS	103.57	42.71	12.29	9.86	10.57
VOL SUSP SOLIDS	63.14	29.00	9.86	8.57	9.14
TOTAL COD	169.83	63.63	41.57	37.06	39.14
SOLUBLE COD	58.97	39.09	39.11	35.70	36.61
TOTL PHOSPHORUS	3.04			0.58	0.57
TKN	13.97			19.59	20.54
NH4+ - N	13.35			19.73	19.86
NO2- - N				0.10	
NO3- - N				0.32	
ALGAE CELL CNT		562.70	280.40	184.30	234.70
FECAL COLIFORM				93.00	2.00
TURBIDITY	112.29	75.14	24.34	19.07	22.61
CHLORINE RESID.					0.64

% REMOVAL TOT BOD 96 SOL BOD 94 TOT SUSP SOL 90
TOT COD 77 SOL COD 38

AVERAGES FROM DATE 2 15 76 TO DATE 2 21 76 INCLUSIVE

HIGH TEMP = 14.59 LOW TEMP = 1.84 RAIN = 1.45 SNOW = 0.0

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.82				0.64
W W FLOW PEAK	2.52				0.72
W W TEMP	11.03	12.39	6.67	5.75	5.96
PH	5.85	6.77	7.10	7.05	7.01
DIS. OXYGEN	13.24	7.39	14.47	14.01	14.27
ALKALINITY	16.51	33.19	55.86	56.23	54.26
TOTAL BOD5	197.14	66.71	47.14	44.29	11.00
SOLUBLE BOD5	97.71	65.00	48.29	42.00	7.57
TOT SUSP SOLIDS	103.43	23.57	9.57	8.14	9.43
VOL SUSP SOLIDS	51.86	14.14	6.86	6.14	7.14
TOTAL COD	130.83	40.44	37.10	37.09	35.50
SOLUBLE COD	55.00	31.50	36.61	37.81	33.54
TOTL PHOSPHORUS	1.92			0.45	0.50
TKN	7.45			19.16	18.76
NH4+ - N	6.71			18.90	17.71
NO2- - N				0.10	
NO3- - N				0.24	
ALGAE CELL CNT		505.15	237.95	153.25	213.05
FECAL COLIFORM				123.71	2.00
TURBIDITY	85.14	39.39	21.16	22.59	22.14
CHLORINE RESID.					0.46

% REMOVAL TOT BOD 94 SOL BOD 92 TOT SUSP SOL 91
TOT COD 73 SOL COD 39

AVERAGES FROM DATE 2 22 76 TO DATE 2 29 76 INCLUSIVE

HIGH TEMP = 14.04 LOW TEMP = -0.03 RAIN = 0.08 SNOW = 0.0

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.03				0.55
W W FLOW PEAK	1.58				0.65
W W TEMP	11.05	12.35	8.14	7.56	7.51
PH	5.59	6.50	7.32	7.35	7.22
DIS. OXYGEN	12.85	7.59	14.46	14.14	14.28
ALKALINITY	16.80	18.75	46.55	46.71	43.21
TOTAL BOD5	238.25	65.50	47.75	55.38	10.63
SOLUBLE BOD5	136.88	64.63	49.38	39.88	7.88
TOT SUSP SOLIDS	105.25	18.38	8.63	8.25	7.13
VOL SUSP SOLIDS	66.50	13.13	6.50	6.38	5.25
TOTAL COD	232.88	35.44	31.65	31.55	31.51
SOLUBLE COD	62.18	27.08	30.07	29.69	31.94
TOTL PHOSPHORUS	3.95			0.34	0.29
TKN	14.61			15.61	15.52
NH4+ - N	13.89			16.33	15.66
NO2- - N				0.11	
NO3- - N				0.32	
ALGAE CELL CNT		598.00	313.05	200.65	250.05
FECAL COLIFORM				36.00	2.00
TURBIDITY	123.25	35.95	20.11	19.31	19.28
CHLORINE RESID.					0.64

% REMOVAL TOT BOD 96 SOL BOD 94 TOT SUSP SOL 93
TOT COD 86 SOL COD 49

AVERAGES FROM DATE 2 1 76 TO DATE 2 29 76 INCLUSIVE

HIGH TEMP = 8.77 LOW TEMP = -3.11 RAIN = 0.37 SNOW = 0.3

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.13				0.61
W W FLOW PEAK	1.91				0.70
W W TEMP	9.93	12.47	5.65	5.09	5.25
PH	5.95	6.64	7.13	7.13	7.06
DIS. OXYGEN	13.22	5.17	14.65	14.51	14.58
ALKALINITY	21.85	35.58	59.87	59.38	56.82
TOTAL BOD5	219.66	68.00	41.10	41.07	10.34
SOLUBLE BOD5	110.28	64.93	41.83	36.59	7.28
TOT SUSP SOLIDS	106.79	32.21	11.62	10.24	10.31
VOL SUSP SOLIDS	64.52	22.28	9.10	8.21	8.24
TOTAL COD	192.48	51.68	39.33	37.28	37.33
SOLUBLE COD	63.99	35.25	37.06	35.34	35.19
TOTL PHOSPHORUS	3.23			0.55	0.56
TKN	13.21			18.58	18.66
NH4+ - N	12.32			18.60	18.26
NO2- - N				0.10	
NO3- - N				0.31	
ALGAE CELL CNT		771.84	380.89	313.60	231.55
FECAL COLIFORM				131.21	2.38
TURBIDITY	113.34	56.25	22.07	20.35	21.43
CHLORINE RESID.					0.58

% REMOVAL TOT BOD 95 SOL BOD 93 TOT SUSP SOL 90
TOT COD 81 SOL COD 45

AVERAGES FROM DATE 3 10 76 TO DATE 3 16 76 INCLUSIVE

HIGH TEMP = 9.44 LOW TEMP = -0.67 RAIN = 0.00 SNOW = 0.0

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.97				0.55
W W FLOW PEAK	1.84				0.73
W W TEMP	10.47	12.39	9.60	8.26	8.19
PH	6.61	6.84	8.63	8.61	7.91
DIS. OXYGEN	13.57	6.81	15.00	15.00	15.00
ALKALINITY	36.27	45.90	35.67	38.67	32.66
TOTAL BOD5	180.57	32.43	20.29	23.29	9.14
SOLUBLE BOD5	78.00	30.86	21.43	14.86	2.43
TOT SUSP SOLIDS	123.86	23.14	22.14	19.86	16.29
VOL SUSP SOLIDS	83.29	16.29	19.71	18.14	15.00
TOTAL COD	207.67	57.91	48.51	46.33	42.03
SOLUBLE COD	77.59	38.50	31.76	31.60	31.39
TOTL PHOSPHORUS	3.35			0.21	0.19
TKN	14.40			14.04	13.86
NH4+ - N	13.43			13.96	13.83
NO2- - N				0.10	
NO3- - N				0.31	
ALGAE CELL CNT		597.00	885.08	1054.80	1494.35
FECAL COLIFORM				1155.71	8.14
TURBIDITY	119.00	43.14	31.90	31.43	27.83
CHLORINE RESID.					0.46

% REMOVAL TOT BOD 95 SOL BOD 97 TOT SUSP SOL 87
TOT COD 80 SOL COD 60

AVERAGES FROM DATE 4 6 76 TO DATE 4 12 76 INCLUSIVE

HIGH TEMP = 12.63 LOW TEMP = -0.43 RAIN = 0.02 SNOW = 0.0

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.09				0.53
W W FLOW PEAK	1.94				0.71
W W TEMP	11.90	14.29	12.06	11.34	11.41
PH	6.82	6.89	7.34	7.37	7.34
DIS. OXYGEN	11.23	4.20	12.34	12.24	12.10
ALKALINITY	60.31	69.74	62.21	64.13	59.60
TOTAL BOD5	155.14	46.00	18.00	14.86	5.14
SOLUBLE BOD5	57.86	21.00	15.00	13.71	2.86
TOT SUSP SOLIDS	127.86	52.29	11.57	10.29	6.14
VOL SUSP SOLIDS	94.57	36.57	10.14	9.14	5.71
TOTAL COD	269.80	95.23	56.56	46.93	43.09
SOLUBLE COD	134.76	60.36	43.41	42.33	43.46
TOTL PHOSPHORUS	4.71			0.47	0.41
TKN	18.09			16.61	16.70
NH4+ - N	19.80			20.11	16.86
NO2- - N				0.10	
NO3- - N				0.19	
ALGAE CELL CNT		1611.24	210.80	90.55	158.90
FECAL COLIFORM				143.86	2.00
TURBIDITY	113.57	93.43	16.76	14.21	14.79
CHLORINE RESID.					0.49

% REMOVAL TOT BOD 97 SOL BOD 95 TOT SUSP SOL 95
TOT COD 84 SOL COD 68

AVERAGES FROM DATE 5 1 76 TO DATE 5 7 76 INCLUSIVE

HIGH TEMP = 19.91 LOW TEMP = 6.51 RAIN = 0.14 SNOW = 0.0

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.73				0.47
W W FLOW PEAK	1.59				0.69
W W TEMP	15.33	18.31	15.96	15.31	15.16
PH	6.79	7.03	7.56	7.56	7.47
DIS. OXYGEN	8.20	3.64	10.07	10.00	10.27
ALKALINITY	101.20	112.20	100.66	99.04	96.13
TOTAL BODS	162.86	55.43	13.86	11.14	4.14
SOLUBLE BODS	59.71	21.57	10.86	9.57	3.71
TOT SUSP SOLIDS	164.86	90.14	6.57	4.71	4.86
VOL SUSP SOLIDS	124.71	61.43	5.29	3.57	3.14
TOTAL COD	457.10	183.20	40.57	39.14	40.88
SOLUBLE COD	178.94	91.00	43.46	40.70	40.69
TOTL PHOSPHORUS	6.04			0.74	0.77
TKN	25.86			23.50	23.11
NH4+ - N	29.51			25.03	25.13
NO2- - N				0.10	
NO3- - N				0.30	
ALGAE CELL CNT		10.81	189.70	173.15	194.15
FECAL COLIFORM				517.71	2.00
TURBIDITY	148.14	117.71	9.10	8.56	8.13
CHLORINE RESID.					0.61

% REMOVAL TOT BOD 97 SOL BOD 94 TOT SUSP SOL 97
TOT COD 91 SOL COD 77

AVERAGES FROM DATE 5 8 76 TO DATE 5 14 76 INCLUSIVE

HIGH TEMP = 21.84 LOW TEMP = 3.80 RAIN = 0.02 SNOW = 0.0

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.72				0.50
W W FLOW PEAK	1.34				0.69
W W TEMP	14.20	18.89	15.86	15.54	15.54
PH	6.84	7.04	7.68	7.72	7.58
DIS. OXYGEN	6.63	3.16	11.80	11.94	11.10
ALKALINITY	110.34	123.29	108.77	107.93	104.03
TOTAL BOD5	198.00	69.57	22.57	18.57	8.29
SOLUBLE BOD5	93.43	45.57	23.14	19.14	7.14
TOT SUSP SOLIDS	175.71	100.29	9.00	7.86	7.00
VOL SUSP SOLIDS	136.86	70.29	8.14	6.86	6.29
TOTAL COD	458.90	249.81	50.17	41.77	44.16
SOLUBLE COD	211.33	83.79	46.19	41.57	44.99
TOTL PHOSPHORUS	6.61			0.84	0.84
TKN	27.81			23.16	22.94
NH4+ - N	35.69			31.40	30.21
NO2- - N				0.10	
NO3- - N				0.20	
ALGAE CELL CNT		1.20	894.45	988.60	858.45
FECAL COLIFORM				26.29	2.00
TURBIDITY	159.00	137.86	12.99	10.29	11.23
CHLORINE RESID.					0.60

% REMOVAL TOT BOD 96 SOL BOD 92 TOT SUSP SOL 96
TOT COD 90 SOL COD 79

AVERAGES FROM DATE 5 15 76 TO DATE 5 21 76 INCLUSIVE

HIGH TEMP = 21.76 LOW TEMP = 10.47 RAIN = 0.02 SNOW = 0.0

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.89				0.47
W W FLOW PEAK	1.54				0.68
W W TEMP	16.43	21.41	18.41	18.49	18.34
PH	6.83	6.99	7.87	7.91	7.78
DIS. OXYGEN	7.14	2.90	12.10	12.74	11.89
ALKALINITY	110.50	135.16	111.90	111.43	103.56
TOTAL BOD5	161.29	69.00	33.43	31.14	11.43
SOLUBLE BOD5	119.14	74.00	35.00	32.00	9.43
TOT SUSP SOLIDS	144.71	114.86	18.86	18.29	15.86
VOL SUSP SOLIDS	111.57	78.00	15.57	15.14	13.57
TOTAL COD	436.17	197.37	57.04	56.50	56.11
SOLUBLE COD	256.14	107.63	53.30	55.92	52.41
TOTL PHOSPHORUS	5.71			1.29	1.33
TKN	25.61			25.00	22.57
NH4+ - N	26.01			25.87	24.86
NO2- - N				0.10	
NO3- - N				0.41	
ALGAE CELL CNT		0.55	2658.95	2337.35	2576.45
FECAL COLIFORM				271.57	2.00
TURBIDITY	149.86	137.86	22.34	22.31	18.87
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 93 SOL BOD 92 TOT SUSP SOL 89
TOT COD 87 SOL COD 80

AVERAGES FROM DATE 5 22 76 TO DATE 5 30 76 INCLUSIVE

HIGH TEMP = 23.27 LOW TEMP = 7.22 RAIN = 0.11 SNOW = 0.0

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.70				0.73
W W FLOW PEAK	1.31				0.87
W W TEMP	15.32	21.73	17.84	17.40	17.22
PH	6.85	7.05	8.05	8.14	7.91
DIS. OXYGEN	7.13	3.27	13.12	13.33	12.16
ALKALINITY	119.49	147.36	116.67	116.44	109.78
TOTAL BOD5	268.22	75.11	41.78	43.22	16.22
SOLUBLE BOD5	148.33	82.11	39.89	36.78	13.33
TOT SUSP SOLIDS	175.44	107.89	27.56	28.78	22.11
VOL SUSP SOLIDS	138.22	76.56	24.56	25.22	20.33
TOTAL COD	401.94	195.61	70.08	70.47	68.99
SOLUBLE COD	199.78	105.81	53.92	54.56	61.31
TOTL PHOSPHORUS	7.13			1.82	1.84
TKN	30.78			26.81	26.13
NH4+ - N	34.10			29.31	27.88
NO2- - N				0.13	
NO3- - N				0.17	
ALGAE CELL CNT		1.29	105.55	106.57	93.26
FECAL COLIFORM				197.50	2.00
TURBIDITY	184.22	150.44	30.67	29.71	25.56
CHLORINE RESID.					0.48

% REMOVAL TOT BOD 94 SOL BOD 91 TOT SUSP SOL 87
TOT COD 93 SOL COD 69

AVERAGES FROM DATE 5 1 76 TO DATE 5 30 76 INCLUSIVE

HIGH TEMP = 21.80 LOW TEMP = 7.02 RAIN = 0.08 SNOW = 0.0

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.76				0.56
W W FLOW PEAK	1.43				0.74
W W TEMP	15.32	20.20	17.07	16.75	16.61
PH	6.83	7.03	7.79	7.83	7.68
DIS. OXYGEN	7.27	3.24	11.86	12.09	11.41
ALKALINITY	110.99	130.69	109.98	109.23	103.80
TOTAL BOD5	202.30	67.80	28.83	27.17	10.43
SOLUBLE BOD5	108.03	57.57	28.07	25.20	8.73
TOT SUSP SOLIDS	165.87	103.60	16.30	15.83	13.10
VOL SUSP SOLIDS	128.53	71.90	14.13	13.53	11.47
TOTAL COD	434.59	206.55	55.51	53.20	52.97
SOLUBLE COD	210.76	97.30	49.53	48.36	50.61
TOTL PHOSPHORUS	6.42			1.22	1.24
TKN	27.73			24.76	23.85
NH4+ - N	31.51			28.00	27.08
NO2- - N				0.11	
NO3- - N				0.26	
ALGAE CELL CNT		3.46	962.16	901.42	930.58
FECAL COLIFORM				251.34	2.00
TURBIDITY	161.90	136.93	19.57	18.52	16.59
CHLORINE RESID.					0.54

% REMOVAL TOT BOD 95 SOL BOD 92 TOT SUSP SOL 92
TOT COD 88 SOL COD 76

AVERAGES FROM DATE 6 9 76 TO DATE 6 15 76 INCLUSIVE

HIGH TEMP = 32.07 LOW TEMP = 15.33 RAIN = 0.02 SNOW = 0.0

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.73				0.75
W W FLOW PEAK	1.19				0.98
W W TEMP	19.29	26.03	24.04	23.74	23.66
PH	6.81	7.17	7.67	7.73	7.65
DIS. OXYGEN	6.54	2.44	6.77	6.77	6.91
ALKALINITY	118.66	178.73	139.23	139.20	134.31
TOTAL BOD5	181.71	69.14	38.43	40.57	16.57
SOLUBLE BOD5	103.29	46.14	15.14	10.86	8.00
TOT SUSP SOLIDS	158.43	123.14	19.00	18.14	15.71
VOL SUSP SOLIDS	125.14	80.86	15.14	15.43	13.86
TOTAL COD	431.04	190.11	58.10	53.03	52.71
SOLUBLE COD	189.81	101.44	52.20	57.04	51.83
TOTL PHOSPHORUS	8.12			3.43	3.75
TKN	34.14			32.77	31.64
NH4+ - N	30.00			30.97	29.44
NO2- - N				0.45	
NO3- - N				0.11	
ALGAE CELL CNT		0.92	37.77	16.97	23.29
FECAL COLIFORM				442.71	2.00
TURBIDITY	177.00	207.00	26.14	26.71	24.20
CHLORINE RESID.					0.49

% REMOVAL TOT BOD 91 SOL BOD 92 TOT SUSP SOL 90
TOT COD 88 SOL COD 73

AVERAGES FROM DATE 7 5 76 TO DATE 7 11 76 INCLUSIVE

HIGH TEMP = 29.60 LOW TEMP = 14.30 RAIN = 0.73 SNOW = 0.0

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.87				0.97
W W FLOW PEAK	1.54				1.10
W W TEMP	20.33	25.33	23.24	23.09	23.17
PH	6.74	7.14	7.71	7.78	7.68
DIS. OXYGEN	7.09	3.53	8.59	8.41	8.60
ALKALINITY	120.53	162.90	183.39	181.14	178.60
TOTAL BOD5	150.00	42.14	26.57	21.43	8.71
SOLUBLE BOD5	77.57	26.86	12.57	8.43	6.14
TOT SUSP SOLIDS	132.71	61.00	9.71	8.29	7.43
VOL SUSP SOLIDS	97.00	39.29	9.00	7.86	7.29
TOTAL COD	450.40	162.76	67.21	60.69	59.29
SOLUBLE COD	190.39	85.81	57.91	60.41	53.72
TOTL PHOSPHORUS	6.67			4.71	5.24
TKN	30.53			38.11	38.66
NH4+ - N	28.54			37.84	40.23
NO2- - N				0.42	
NO3- - N				0.10	
ALGAE CELL CNT		0.45	67.45	1.84	1.56
FECAL COLIFORM				22.71	2.00
TURBIDITY	173.29	90.57	19.91	19.73	18.27
CHLORINE RESID.					0.53

% REMOVAL TOT BOD 94 SOL BOD 92 TOT SUSP SOL 94
TOT COD 87 SOL COD 72

AVERAGES FROM DATE 7 12 76 TO DATE 7 18 76 INCLUSIVE

HIGH TEMP = 27.39 LOW TEMP = 14.90 RAIN = 1.45 SNOW = 0.0

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.06				1.17
W W FLOW PEAK	1.73				1.47
W W TEMP	19.36	23.64	22.54	22.54	22.14
PH	6.44	7.14	7.74	7.79	7.71
DIS. OXYGEN	10.01	3.01	8.54	8.49	8.91
ALKALINITY	44.36	131.19	161.36	166.19	149.14
TOTAL BOD5	60.86	58.71	33.86	34.43	17.29
SOLUBLE BOD5	50.57	28.29	13.43	9.29	6.00
TOT SUSP SOLIDS	100.00	49.00	11.14	10.43	11.14
VOL SUSP SOLIDS	55.43	27.71	9.71	7.86	9.43
TOTAL COD	259.29	96.66	52.54	50.09	48.14
SOLUBLE COD	125.53	60.36	51.27	49.83	47.88
TOTL PHOSPHORUS	3.22			4.45	4.52
TKN	13.93			31.63	29.81
NH4+ - N	13.76			33.27	33.93
NO2- - N				0.87	
NO3- - N				0.10	
ALGAE CELL CNT		0.59	2.58	52.70	2.45
FECAL COLIFORM				14.29	2.29
TURBIDITY	122.57	74.43	16.04	16.31	17.07
CHLORINE RESID.					0.36

% REMOVAL TOT BOD 72 SOL BOD 88 TOT SUSP SOL 89
TOT COD 81 SOL COD 62

AVERAGES FROM DATE 7 19 76 TO DATE 7 25 76 INCLUSIVE

HIGH TEMP = 29.29 LOW TEMP = 16.81 RAIN = 0.05 SNOW = 0.0

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.23				1.39
W W FLOW PEAK	1.83				1.54
W W TEMP	19.93	25.23	23.26	23.26	23.03
PH	6.56	6.98	7.64	7.73	7.56
DIS. OXYGEN	8.63	2.50	8.33	8.06	8.66
ALKALINITY	79.07	103.63	151.49	153.04	145.44
TOTAL BOD5	144.86	79.86	39.57	41.43	37.57
SOLUBLE BOD5	102.86	51.29	36.71	35.00	15.86
TOT SUSP SOLIDS	171.57	44.29	11.86	11.86	12.57
VOL SUSP SOLIDS	102.14	26.29	10.00	10.43	10.71
TOTAL COD	330.27	152.89	52.96	52.61	52.56
SOLUBLE COD	262.04	57.25	51.34	50.83	55.96
TOTL PHOSPHORUS	5.03			4.02	4.05
TKN	24.54			31.28	26.86
NH4+ - N	21.93			30.46	30.84
NO2- - N				0.91	
NO3- - N				0.30	
ALGAE CELL CNT		0.68	4.48	6.31	5.38
FECAL COLIFORM				43.00	3.57
TURBIDITY	158.71	74.86	21.36	22.41	21.94
CHLORINE RESID.					0.46

% REMOVAL TOT BOD 74 SOL BOD 85 TOT SUSP SOL 93
TOT COD 84 SOL COD 79

AVERAGES FROM DATE 7 26 76 TO DATE 7 31 76 INCLUSIVE

HIGH TEMP = 31.57 LOW TEMP = 16.02 RAIN = 0.00 SNOW = 0.0

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.03				1.03
W W FLOW PEAK	1.50				1.18
W W TEMP	20.28	26.00	24.17	24.07	23.72
PH	6.61	7.02	7.63	7.71	7.58
DIS. OXYGEN	7.93	2.47	7.90	7.87	8.32
ALKALINITY	91.87	101.83	139.17	138.83	136.83
TOTAL BOD5	236.00	78.33	41.83	44.00	44.17
SOLUBLE BOD5	140.50	74.83	42.50	42.67	22.67
TOT SUSP SOLIDS	198.83	51.67	10.33	9.33	10.50
VOL SUSP SOLIDS	136.83	31.00	9.17	8.00	9.50
TOTAL COD	386.88	137.07	47.10	49.48	48.70
SOLUBLE COD	269.87	109.07	45.78	44.90	47.28
TOTL PHOSPHORUS	7.06			3.60	3.72
TKN	30.45			33.08	31.07
NH4+ - N	25.87			28.87	27.78
NO2- - N				0.43	
NO3- - N				0.32	
ALGAE CELL CNT		0.81	3.79	5.32	2.34
FECAL COLIFORM				6.33	2.50
TURBIDITY	215.33	97.83	20.10	17.37	16.67
CHLORINE RESID.					0.55

% REMOVAL TOT BOD 81 SOL BOD 84 TOT SUSP SOL 95
TOT COD 87 SOL COD 82

AVERAGES FROM DATE 7 5 76 TO DATE 7 31 76 INCLUSIVE

HIGH TEMP = 29.38 LOW TEMP = 15.49 RAIN = 0.58 SNOW = 0.0

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.05				1.15
W W FLOW PEAK	1.66				1.53
W W TEMP	19.96	25.01	23.27	23.21	22.99
PH	6.58	7.07	7.68	7.75	7.63
DIS. OXYGEN	8.43	2.89	8.36	8.22	8.63
ALKALINITY	83.66	125.74	159.58	160.58	153.09
TOTAL BODS	144.67	64.26	35.22	35.00	26.30
SOLUBLE BODS	91.11	44.22	25.70	23.15	12.30
TOT SUSP SOLIDS	149.00	51.48	10.78	10.00	10.41
VOL SUSP SOLIDS	96.41	31.07	9.48	8.56	9.22
TOTAL COD	355.59	137.35	55.24	53.36	52.30
SOLUBLE COD	209.81	76.98	51.79	51.74	51.36
TOTL PHOSPHORUS	5.43			4.21	4.41
TKN	25.07			33.62	31.62
NH4+ - N	22.40			32.75	33.40
NO2- - N				0.66	
NO3- - N				0.20	
ALGAE CELL CNT		0.63	19.57	16.55	2.93
FECAL COLIFORM				22.15	2.59
TURBIDITY	165.70	83.93	19.33	19.01	18.56
CHLORINE RESID.					0.47

% REMOVAL TOT BOD 82 SOL BOD 87 TOT SUSP SOL 93
TOT COD 85 SOL COD 76

AVERAGES FROM DATE 8 1 76 TO DATE 8 3 76 INCLUSIVE

HIGH TEMP = 27.40 LOW TEMP = 10.93 RAIN = 0.03 SNOW = 0.0

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.10				1.07
W W FLOW PEAK	1.50				1.47
W W TEMP	19.27	24.83	22.57	22.40	22.40
PH	6.70	6.93	7.63	7.73	7.63
DIS. OXYGEN	7.60	2.77	7.87	7.97	8.27
ALKALINITY	94.80	107.00	133.67	134.67	131.33
TOTAL BOD5	262.00	82.33	46.33	46.67	44.00
SOLUBLE BOD5	164.00	88.67	49.33	36.67	30.67
TOT SUSP SOLIDS	209.00	57.33	11.00	10.00	9.33
VOL SUSP SOLIDS	147.33	39.67	10.33	9.00	9.00
TOTAL COD	912.70	158.70	47.27	45.60	43.83
SOLUBLE COD	347.40	125.90	44.13	43.07	44.20
TOTL PHOSPHORUS	6.00			3.12	3.21
TKN	30.50			30.80	29.50
NH4+ - N	28.27			26.97	27.73
NO2- - N				0.50	
NO3- - N				0.32	
ALGAE CELL CNT		1.45	3.20	2.32	2.58
FECAL COLIFORM				13.67	2.00
TURBIDITY	207.00	109.00	18.50	15.23	17.30
CHLORINE RESID.					0.50

% REMOVAL TOT BOD 83 SOL BOD 81 TOT SUSP SOL 96
TOT COD 95 SOL COD 87

AVERAGES FROM DATE 8 16 76 TO DATE 8 22 76 INCLUSIVE

HIGH TEMP = 32.06 LOW TEMP = 11.11 RAIN = 0.00 SNOW = 0.0

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.20				0.92
W W FLOW PEAK	1.69				1.15
W W TEMP	18.40	23.10	22.06	21.41	21.19
PH	6.57	6.90	7.68	7.80	7.61
DIS. OXYGEN	8.31	2.24	8.53	8.10	8.51
ALKALINITY	69.51	82.59	109.76	113.71	107.57
TOTAL BOD5	132.86	32.71	14.71	11.29	6.57
SOLUBLE BOD5	46.29	15.00	7.43	6.00	3.86
TOT SUSP SOLIDS	170.43	60.86	12.43	12.14	11.43
VOL SUSP SOLIDS	117.71	41.43	9.43	9.57	9.00
TOTAL COD	679.50	87.84	43.60	51.87	53.86
SOLUBLE COD	134.97	38.51	47.56	53.44	47.43
TOTL PHOSPHORUS	6.38			3.14	3.14
TKN	24.66			27.03	26.99
NH4+ - N	21.86			26.61	26.60
NO2- - N				0.46	
NO3- - N				0.17	
ALGAE CELL CNT		3.03	7.91	28.42	43.53
FECAL COLIFORM				421.29	3.57
TURBIDITY	187.29	129.86	17.09	15.90	15.47
CHLORINE RESID.					0.39

% REMOVAL TOT BOD 95 SOL BOD 92 TOT SUSP SOL 93
TOT COD 92 SOL COD 65

AVERAGES FROM DATE 9 8 76 TO DATE 9 14 76 INCLUSIVE

HIGH TEMP = 27.77 LOW TEMP = 8.50 RAIN = 0.01 SNOW = 0.0

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.13				0.79
W W FLOW PEAK	1.54				0.94
W W TEMP	18.34	22.30	20.16	20.16	20.23
PH	6.74	6.94	7.35	7.45	7.30
DIS. OXYGEN	6.21	2.39	5.87	5.67	6.30
ALKALINITY	102.74	89.26	94.47	94.16	93.07
TOTAL BOD5	173.14	39.00	9.71	7.86	4.43
SOLUBLE BOD5	69.00	14.29	7.14	6.14	3.57
TOT SUSP SOLIDS	176.71	88.14	8.57	8.29	7.43
VOL SUSP SOLIDS	124.57	72.57	8.00	7.57	6.71
TOTAL COD	1061.84	130.86	49.97	43.21	46.46
SOLUBLE COD	241.99	52.24	43.63	43.81	46.84
TOTL PHOSPHORUS	6.79			2.58	2.64
TKN	46.00			34.11	33.31
NH4+ - N	29.06			26.74	24.26
NO2- - N				0.19	
NO3- - N				0.43	
ALGAE CELL CNT		4.39	0.32	0.46	0.50
FECAL COLIFORM				25.00	3.57
TURBIDITY	210.57	243.86	14.94	13.96	13.19
CHLORINE RESID.					0.66

% REMOVAL TOT BOD 97 SOL BOD 95 TOT SUSP SOL 96
TOT COD 96 SOL COD 81

AVERAGES FROM DATE 10 1 76 TO DATE 10 7 76 INCLUSIVE

HIGH TEMP = 20.70 LOW TEMP = 9.04 RAIN = 0.36 SNOW = 0.0

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.06				1.69
W W FLOW PEAK	1.61				1.99
W W TEMP	17.06	19.76	16.90	16.34	16.19
PH	5.83	6.80	7.10	7.16	7.10
DIS. OXYGEN	9.51	4.86	5.57	4.73	6.09
ALKALINITY	28.94	75.69	95.00	97.17	94.14
TOTAL BOD5	78.00	32.14	11.14	8.57	4.14
SOLUBLE BOD5	40.71	10.86	7.29	6.00	3.57
TOT SUSP SOLIDS	141.86	59.00	7.86	3.86	3.43
VOL SUSP SOLIDS	92.43	46.00	7.00	3.29	3.29
TOTAL COD	512.37	155.69	45.94	43.14	45.26
SOLUBLE COD	135.87	37.60	44.77	42.07	44.14
TOTL PHOSPHORUS	4.49			1.86	1.94
TKN	13.70			22.46	21.83
NH4+ - N	14.71			25.64	24.09
NO2- - N				0.12	
NO3- - N				0.52	
ALGAE CELL CNT		0.31	2.40	2.20	3.90
FECAL COLIFORM				58.00	5.57
TURBIDITY	147.57	158.43	12.51	12.30	11.34
CHLORINE RESID.					0.43

% REMOVAL TOT BOD 95 SOL BOD 91 TOT SUSP SOL 98
TOT COD 91 SOL COD 68

AVERAGES FROM DATE 10 8 76 TO DATE 10 14 76 INCLUSIVE

HIGH TEMP = 16.29 LOW TEMP = 5.14 RAIN = 0.54 SNOW = 0.0

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.10				1.23
W W FLOW PEAK	1.69				1.48
W W TEMP	15.56	18.33	15.71	14.53	14.53
PH	5.08	6.62	7.07	7.11	7.03
DIS. OXYGEN	9.67	5.41	5.77	5.21	6.49
ALKALINITY	10.94	52.94	83.20	91.17	85.80
TOTAL BOD5	86.57	34.29	20.14	22.71	11.57
SOLUBLE BOD5	60.43	20.00	20.57	13.14	7.57
TOT SUSP SOLIDS	135.43	21.14	5.14	4.71	4.71
VOL SUSP SOLIDS	88.29	17.71	5.00	4.29	4.71
TOTAL COD	576.79	191.51	39.56	37.54	36.00
SOLUBLE COD	290.63	42.29	37.23	36.17	34.22
TOTL PHOSPHORUS	3.72			1.50	1.54
TKN	15.07			23.65	22.34
NH4+ - N	16.04			26.56	26.76
NO2- - N				0.14	
NO3- - N				0.49	
ALGAE CELL CNT		15.10	1.00	0.70	0.80
FECAL COLIFORM				14.71	2.00
TURBIDITY	157.29	45.00	10.70	10.14	10.54
CHLORINE RESID.					0.68

% REMOVAL TOT BOD 87 SOL BOD 87 TOT SUSP SOL 97
TOT COD 94 SOL COD 88

AVERAGES FROM DATE 10 15 76 TO DATE 10 21 76 INCLUSIVE

HIGH TEMP = 12.47 LOW TEMP = 0.51 RAIN = 0.04 SNOW = 0.0

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.16				1.05
W W FLOW PEAK	1.70				1.24
W W TEMP	14.36	16.50	13.10	12.06	11.97
PH	5.92	6.57	7.00	7.01	6.94
DIS. OXYGEN	9.03	6.40	6.63	6.36	7.34
ALKALINITY	34.51	38.91	73.97	75.63	71.74
TOTAL BOD5	118.29	61.57	38.57	40.29	27.29
SOLUBLE BOD5	76.29	48.57	38.29	38.43	11.57
TOT SUSP SOLIDS	115.86	20.29	4.86	5.00	5.29
VOL SUSP SOLIDS	77.57	17.14	4.29	4.71	4.43
TOTAL COD	522.51	88.99	34.91	34.36	31.83
SOLUBLE COD	142.03	57.67	32.86	31.36	30.73
TOTL PHOSPHORUS	4.80			1.01	0.92
TKN	24.85			24.90	24.63
NH4+ - N	24.39			26.96	25.81
NO2- - N				0.16	
NO3- - N				0.78	
ALGAE CELL CNT		2.77	0.39	0.65	0.90
FECAL COLIFORM				57.57	2.00
TURBIDITY	196.86	23.86	6.19	5.61	6.01
CHLORINE RESID.					0.73

% REMOVAL TOT BOD 77 SOL BOD 85 TOT SUSP SOL 95
TOT COD 94 SOL COD 78

AVERAGES FROM DATE 10 22 76 TO DATE 10 30 76 INCLUSIVE

HIGH TEMP = 10.23 LOW TEMP = -1.60 RAIN = 0.04 SNOW = 0.0

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.11				1.50
W W FLOW PEAK	1.61				1.65
W W TEMP	13.20	14.81	11.10	9.93	9.63
PH	5.17	6.47	6.79	6.79	6.75
DIS. OXYGEN	9.86	7.06	7.73	7.64	7.70
ALKALINITY	18.09	34.02	47.96	49.84	47.22
TOTAL BOD5	134.00	50.33	40.11	43.44	24.40
SOLUBLE BOD5	81.33	51.22	39.89	43.67	13.96
TOT SUSP SOLIDS	198.67	9.89	3.56	3.67	3.89
VOL SUSP SOLIDS	140.33	7.33	2.56	2.56	2.78
TOTAL COD	536.52	145.92	43.93	43.55	41.47
SOLUBLE COD	195.13	66.16	47.26	45.45	34.82
TOTL PHOSPHORUS	4.28			0.80	0.73
TKN	19.85			22.49	21.31
NH4+ - N	20.04			25.04	25.51
NO2- - N				0.90	
NO3- - N				1.38	
ALGAE CELL CNT		5.45	1.00	1.00	1956.20
FECAL COLIFORM				150.67	2.00
TURBIDITY	184.11	23.22	6.56	5.03	5.50
CHLORINE RESID.					0.70

% REMOVAL TOT BOD 82 SOL BOD 83 TOT SUSP SOL 98
TOT COD 92 SOL COD 82

AVERAGES FROM DATE 10 1 76 TO DATE 10 30 76 INCLUSIVE

HIGH TEMP = 14.61 LOW TEMP = 2.95 RAIN = 0.24 SNOW = 0.0

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.11				1.38
W W FLOW PEAK	1.65				1.60
W W TEMP	14.92	17.18	14.00	13.00	12.65
PH	5.41	6.60	6.97	6.99	6.93
DIS. OXYGEN	9.54	6.01	6.51	6.10	6.96
ALKALINITY	22.79	49.30	73.23	76.55	72.89
TOTAL BOD5	106.20	44.97	28.33	29.73	17.35
SOLUBLE BOD5	65.80	33.90	27.40	26.53	9.49
TOT SUSP SOLIDS	151.33	26.40	5.23	4.27	4.30
VOL SUSP SOLIDS	102.37	21.07	4.57	3.63	3.73
TOTAL COD	537.01	145.55	41.28	39.91	38.83
SOLUBLE COD	191.20	51.94	40.98	39.21	35.94
TOTL PHOSPHORUS	4.32			1.26	1.25
TKN	18.36			23.25	22.37
NH4+ - N	18.88			25.98	25.54
NO2- - N				0.37	
NO3- - N				0.83	
ALGAE CELL CNT		5.31	1.03	1.03	653.15
FECAL COLIFORM				75.60	2.83
TURBIDITY	172.30	60.00	8.83	8.06	8.16
CHLORINE RESID.					0.64

% REMOVAL TOT BOD 84 SOL BOD 86 TOT SUSP SOL 97
TOT COD 93 SOL COD 81

AVERAGES FROM DATE 11 7 75 TO DATE 10 30 76 INCLUSIVE

HIGH TEMP = 18.15 LOW TEMP = 4.81 RAIN = 0.21 SNOW = 0.1

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.97				0.82
W W FLOW PEAK	1.62				1.00
W W TEMP	14.87	18.49	14.80	14.22	14.13
PH	6.19	6.86	7.35	7.38	7.24
DIS. OXYGEN	9.43	4.32	10.64	10.54	10.66
ALKALINITY	63.02	84.36	90.31	91.10	86.64
TOTAL BOD5	170.59	54.55	28.69	28.50	13.52
SOLUBLE BOD5	87.61	43.23	25.19	22.83	7.94
TOT SUSP SOLIDS	148.49	53.44	11.15	10.27	9.47
VOL SUSP SOLIDS	102.85	37.25	9.40	8.70	8.10
TOTAL COD	411.67	120.58	46.16	43.88	43.02
SOLUBLE COD	157.59	61.63	42.39	41.82	41.43
TOTL PHOSPHORUS	4.99			1.72	1.71
TKN	22.71			24.19	23.43
NH4+ - N	22.06			24.58	24.04
NO2- - N				0.27	
NO3- - N				0.54	
ALGAE CELL CNT		255.85	329.95	351.43	423.56
FECAL COLIFORM				300.70	2.73
TURBIDITY	159.25	94.85	18.55	16.99	16.30
CHLORINE RESID.					0.55

% REMOVAL TOT BOD 92 SOL BOD 91 TOT SUSP SOL 94
TOT COD 90 SOL COD 74

Appendix C - Data Maxima - Minima

MAX & MIN VALUES FROM DATE 11 7 75 TO DATE 11 13 75 INCLUSIVE

HIGH TEMP = 20.00 LOW TEMP = 11.10 RAIN = 0.00 SNOW = 0.00
5.60 3.30 0.00 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.60				0.55
	0.05				0.02
W W FLOW PEAK	2.70				0.60
	0.35				0.30
W W TEMP	17.80	21.10	17.20	15.00	15.00
	12.80	17.20	11.10	12.20	12.20
PH	6.70	7.30	7.10	7.00	6.50
	6.60	7.10	6.80	6.60	6.10
DIS. OXYGEN	11.80	6.60	14.00	14.00	13.90
	4.40	4.80	13.00	12.80	12.70
ALKALINITY	57.70	62.20	12.90	11.20	8.70
	23.70	51.00	10.60	10.20	3.06
TOTAL BODS	288.00	32.00	22.00	17.00	2.00
	114.00	8.00	2.00	2.00	0.00
SOLUBLE BODS	168.00	30.00	17.00	30.00	4.00
	12.00	2.00	1.00	0.60	0.00
TOT SUSP SOLIDS	273.00	28.00	3.00	2.00	2.00
	62.00	7.00	2.00	1.00	2.00
VOL SUSP SOLIDS	190.00	18.00	2.00	2.00	2.00
	44.00	4.00	2.00	2.00	2.00
TOTAL COD	312.00	50.00	48.70	47.12	30.90
	178.20	29.95	14.14	12.90	13.10
SOLUBLE COD	72.50	38.62	63.40	50.30	54.20
	29.40	26.10	15.50	14.28	17.06
TOTL PHOSPHORUS	7.40			1.20	1.26
	0.79			0.10	0.10
TKN	31.20			19.10	15.30
	7.60			10.80	8.30
NH4+ - N	26.00			13.00	13.20
	9.15			10.00	9.60
NO2- - N				0.12	
				0.10	
NO3- - N				2.69	
				2.40	
ALGAE CELL CNT		4.70	56.00	24.60	17.10
		4.70	56.00	24.60	17.10
FECAL COLIFORM				8.00	2.00
				2.00	2.00
TURBIDITY	********	********	********	********	********
	********	********	********	********	********
CHLORINE RESID.					0.70
					0.30

MAX & MIN VALUES FROM DATE 12 2 75 TO DATE 12 8 75 INCLUSIVE

HIGH TEMP = 15.60	LOW TEMP = -1.00	RAIN = 0.03	SNOW = 0.00
2.20	-6.60	0.00	0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.50				0.59
	0.35				0.52
W W FLOW PEAK	1.60				0.67
	0.85				0.60
W W TEMP	13.90	15.00	14.40	11.10	7.20
	11.10	12.80	6.10	6.10	6.10
PH	7.00	7.20	7.20	7.10	7.00
	6.80	7.00	7.00	6.80	6.60
DIS. OXYGEN	10.20	7.80	14.80	15.00	14.60
	4.00	3.80	14.20	13.80	13.60
ALKALINITY	87.70	85.70	33.50	31.60	27.90
	71.80	67.30	21.60	18.60	14.90
TOTAL BOD5	258.00	82.00	25.00	33.00	7.00
	126.00	7.00	8.00	7.00	1.00
SOLUBLE BOD5	126.00	84.00	17.00	31.00	6.00
	42.00	8.00	4.00	2.00	0.60
TOT SUSP SOLIDS	219.00	24.00	5.00	5.00	5.00
	140.00	18.00	2.00	1.00	2.00
VOL SUSP SOLIDS	155.00	16.00	4.00	5.00	3.00
	95.00	10.00	1.00	1.00	1.00
TOTAL COD	453.00	54.70	27.00	19.60	18.50
	301.60	42.00	15.80	14.00	14.00
SOLUBLE COD	123.40	49.50	24.70	27.40	19.20
	82.60	23.30	16.90	15.80	12.90
TOTL PHOSPHORUS	7.88			1.70	2.08
	4.90			0.35	0.35
TKN	34.50			34.80	22.70
	27.80			14.00	14.00
NH4+ - N	110.00			20.10	16.60
	19.50			14.70	13.90
NO2- - N				0.13	
				0.10	
NO3- - N				3.30	
				2.20	
ALGAE CELL CNT		0.13	0.94	0.48	0.21
		0.06	0.78	0.25	0.03
FECAL COLIFORM				2400.00	2.00
				220.00	2.00
TURBIDITY	300.00	56.00	25.00	10.00	5.00
	220.00	33.00	25.00	10.00	5.00
CHLORINE RESID.					0.80
					0.40

MAX & MIN VALUES FROM DATE 1 6 76 TO DATE 1 12 76 INCLUSIVE

HIGH TEMP = 8.30 LOW TEMP = -3.20 RAIN = 0.00 SNOW =10.16
-8.80 -16.60 0.00 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.30				0.65
	0.60				0.55
W W FLOW PEAK	2.30				0.77
	1.40				0.67
W W TEMP	12.20	16.10	7.80	5.00	5.00
	6.10	7.80	0.00	0.00	0.00
PH	6.90	7.00	7.50	7.50	7.40
	4.50	6.80	7.20	7.20	7.10
DIS. OXYGEN	11.90	7.10	14.70	14.80	14.40
	10.00	3.20	13.60	13.60	13.20
ALKALINITY	68.70	71.70	82.60	84.90	81.20
	-2.40	63.20	73.40	76.50	75.10
TOTAL BOD5	222.00	40.00	36.00	42.00	10.00
	108.00	22.00	15.00	14.00	7.00
SOLUBLE BOD5	96.00	46.00	24.00	44.00	7.00
	25.00	9.00	7.00	7.00	2.00
TOT SUSP SOLIDS	170.00	43.00	15.00	14.00	14.00
	58.00	31.00	10.00	10.00	12.00
VOL SUSP SOLIDS	119.00	32.00	11.00	12.00	12.00
	37.00	23.00	7.00	5.00	6.00
TOTAL COD	296.00	68.90	43.40	45.50	44.20
	52.80	28.70	39.70	34.90	34.70
SOLUBLE COD	107.00	58.30	43.30	47.20	57.10
	24.50	35.20	30.10	33.40	33.20
TOTL PHOSPHORUS	5.82			2.88	3.20
	1.10			0.60	0.60
TKN	23.50			28.00	26.40
	10.80			17.60	16.20
NH4+ - N	21.40			30.50	30.50
	10.20			19.10	18.80
NO2- - N				0.10	
				0.10	
NO3- - N				1.10	
				0.23	
ALGAE CELL CNT		1606.20	1409.40	2982.30	945.70
		0.00	567.50	877.00	605.20
FECAL COLIFORM				2400.00	13.00
				2400.00	2.00
TURBIDITY	172.00	81.00	20.20	19.50	19.10
	49.90	57.10	15.20	16.20	15.20
CHLORINE RESID.					0.80
					0.40

MAX & MIN VALUES FROM DATE 2 1 76 TO DATE 2 7 76 INCLUSIVE

HIGH TEMP = 6.70 LOW TEMP = -2.10 RAIN = 0.00 SNOW =10.16
-13.20 -17.70 0.00 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.08				0.69
	0.61				0.59
W W FLOW PEAK	2.01				0.80
	1.00				0.70
W W TEMP	10.60	13.90	6.10	6.10	6.10
	6.10	11.10	1.10	1.10	1.10
PH	6.50	6.80	7.20	7.30	7.20
	6.30	6.60	7.00	7.00	6.90
DIS. OXYGEN	14.80	3.80	15.00	15.00	15.00
	11.00	1.60	14.20	15.00	14.80
ALKALINITY	32.60	53.90	78.90	93.90	72.60
	20.70	43.10	67.30	67.00	65.40
TOTAL BODS	312.00	89.00	43.00	31.00	20.00
	90.00	34.00	14.00	15.00	5.00
SOLUBLE BODS	156.00	96.00	38.00	35.00	18.00
	51.00	40.00	15.00	7.00	0.00
TOT SUSP SOLIDS	150.00	52.00	19.00	17.00	17.00
	80.00	40.00	12.00	12.00	12.00
VOL SUSP SOLIDS	101.00	42.00	15.00	14.00	13.00
	50.00	29.00	13.00	10.00	11.00
TOTAL COD	291.80	78.70	50.20	49.10	48.90
	191.00	64.70	45.60	41.50	41.50
SOLUBLE COD	94.00	52.00	48.10	43.00	43.20
	64.00	38.00	37.70	35.90	34.90
TOTL PHOSPHORUS	4.78			1.08	1.10
	2.96			0.72	0.86
TKN	19.10			22.70	21.80
	14.20			15.00	20.20
NH4+ - N	17.90			22.10	22.90
	12.80			17.10	18.80
NO2- - N				0.10	
				0.10	
NO3- - N				0.76	
				0.10	
ALGAE CELL CNT		1551.60	895.50	886.30	1054.40
		1082.30	388.30	416.80	445.80
FECAL COLIFORM				1600.00	13.00
				2.00	2.00
TURBIDITY	161.00	89.00	25.00	25.90	25.50
	110.00	68.00	21.60	17.70	17.60
CHLORINE RESID.					0.70
					0.50

MAX & MIN VALUES FROM DATE 2 6 76 TO DATE 2 14 76 INCLUSIVE

HIGH TEMP = 16.70 LOW TEMP = -1.60 RAIN = 0.00 SNOW = 0.00
1.10 -12.10 0.00 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.30				0.64
	0.65				0.55
W W FLOW PEAK	3.90				0.75
	1.10				0.65
W W TEMP	11.10	13.90	6.10	5.00	6.10
	6.10	10.60	2.20	2.20	2.80
PH	6.60	6.70	7.10	7.10	7.00
	5.60	6.60	6.90	6.90	6.90
DIS. OXYGEN	15.00	5.00	15.00	15.00	15.00
	12.60	2.20	14.20	14.80	14.60
ALKALINITY	46.10	47.70	70.10	70.90	73.60
	7.35	39.20	62.30	27.10	52.10
TOTAL BOD5	294.00	103.00	61.00	61.00	13.00
	126.00	66.00	25.00	20.00	7.00
SOLUBLE BOD5	135.00	91.00	57.00	59.00	10.00
	81.00	34.00	23.00	28.00	4.00
TOT SUSP SOLIDS	179.00	48.00	16.00	14.00	15.00
	73.00	32.00	11.00	7.00	8.00
VOL SUSP SOLIDS	113.00	33.00	11.00	10.00	12.00
	36.00	22.00	8.00	6.00	7.00
TOTAL COD	207.00	73.00	44.30	41.90	43.20
	143.00	57.40	39.40	24.10	35.70
SOLUBLE COD	79.90	44.10	45.40	40.80	41.50
	42.90	34.20	33.90	31.00	30.00
TOTL PHOSPHORUS	4.26			0.83	0.84
	1.81			0.44	0.42
TKN	18.80			22.60	21.70
	6.80			8.10	19.00
NH4+ - N	16.30			23.20	22.70
	8.78			11.60	16.10
NO2- - N				0.10	
				0.10	
NO3- - N				0.71	
				0.14	
ALGAE CELL CNT		562.70	280.40	184.30	234.70
		562.70	280.40	184.30	234.70
FECAL COLIFORM				350.00	2.00
				14.00	2.00
TURBIDITY	165.00	88.00	27.80	26.00	30.50
	40.00	63.00	16.60	11.10	14.20
CHLORINE RESID.					0.80
					0.50

MAX & MIN VALUES FROM DATE 2 15 76 TO DATE 2 21 76 INCLUSIVE

HIGH TEMP = 18.90	LOW TEMP = 5.60	RAIN = 5.08	SNOW = 0.00
12.80	-4.90	0.00	0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	3.40				0.70
	0.60				0.58
W W FLOW PEAK	4.00				0.74
	1.05				0.69
W W TEMP	12.80	12.80	10.00	8.90	8.90
	10.00	11.10	5.00	3.90	2.80
PH	6.70	6.90	7.20	7.20	7.10
	5.20	6.70	7.00	6.90	6.90
DIS. OXYGEN	14.00	9.40	14.80	14.60	15.00
	12.60	5.30	13.60	13.40	14.00
ALKALINITY	33.00	40.80	60.30	61.70	61.10
	3.28	25.20	50.40	51.00	46.90
TOTAL BOD5	240.00	84.00	58.00	56.00	16.00
	144.00	35.00	14.00	20.00	8.00
SOLUBLE BOD5	159.00	77.00	58.00	56.00	11.00
	48.00	31.00	14.00	15.00	5.00
TOT SUSP SOLIDS	176.00	41.00	11.00	10.00	11.00
	46.00	14.00	8.00	6.00	7.00
VOL SUSP SOLIDS	77.00	20.00	9.00	8.00	10.00
	26.00	8.00	5.00	3.00	4.00
TOTAL COD	209.00	57.00	43.50	41.80	41.10
	79.90	26.90	33.20	32.60	29.70
SOLUBLE COD	89.60	47.10	42.40	49.00	40.30
	28.60	21.90	32.40	31.40	24.00
TOTL PHOSPHORUS	3.19			0.60	0.60
	1.10			0.30	0.44
TKN	14.00			25.40	24.80
	2.20			16.30	14.90
NH4+ - N	13.00			22.10	21.10
	1.70			14.90	13.60
NO2- - N				0.10	
				0.10	
NO3- - N				0.42	
				0.12	
ALGAE CELL CNT		558.10	258.00	189.00	244.30
		452.20	217.90	117.50	181.80
FECAL COLIFORM				540.00	2.00
				7.00	2.00
TURBIDITY	126.00	53.00	26.20	29.70	30.90
	59.00	24.70	15.40	17.20	14.00
CHLORINE RESID.					0.50
					0.40

MAX & MIN VALUES FROM DATE 2 22 76 TO DATE 2 29 76 INCLUSIVE

HIGH TEMP = 17.80 LOW TEMP = 7.80 RAIN = 0.63 SNOW = 0.00
1.10 -7.70 0.00 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.50				0.64
	0.50				0.50
W W FLOW PEAK	2.40				0.70
	0.95				0.61
W W TEMP	12.80	13.90	10.00	11.10	11.10
	9.40	11.10	6.10	5.00	5.00
PH	6.40	6.60	7.80	7.80	7.40
	4.60	6.40	7.10	7.20	7.00
DIS. OXYGEN	13.20	8.90	14.80	14.60	14.80
	12.40	5.80	13.60	13.20	13.10
ALKALINITY	31.30	23.00	54.50	51.50	48.00
	0.99	15.60	40.40	44.20	40.40
TOTAL BOD5	336.00	90.00	59.00	59.00	14.00
	168.00	28.00	25.00	52.00	6.00
SOLUBLE BOD5	186.00	82.00	55.00	54.00	13.00
	108.00	52.00	46.00	26.00	5.00
TOT SUSP SOLIDS	162.00	24.00	12.00	10.00	11.00
	34.00	13.00	5.00	5.00	4.00
VOL SUSP SOLIDS	102.00	17.00	9.00	8.00	6.00
	22.00	10.00	5.00	5.00	4.00
TOTAL COD	260.00	44.20	36.10	34.30	35.40
	213.00	24.90	29.80	28.60	27.40
SOLUBLE COD	70.90	34.40	33.10	32.70	34.80
	50.00	21.40	28.20	28.30	29.20
TOTL PHOSPHORUS	4.36			0.50	0.51
	2.90			0.25	0.13
TKN	23.40			18.10	18.50
	10.10			13.30	12.60
NH4+ - N	19.10			18.60	17.70
	9.42			14.90	13.80
NO2- - N				0.12	
				0.10	
NO3- - N				0.42	
				0.25	
ALGAE CELL CNT		688.30	594.80	378.60	489.00
		507.70	31.30	22.70	11.10
FECAL COLIFORM				79.00	2.00
				7.00	2.00
TURBIDITY	160.00	42.00	27.60	23.20	22.00
	76.00	27.50	15.40	14.80	16.70
CHLORINE RESID.					0.80
					0.50

MAX & MIN VALUES FROM DATE 2 1 76 TO DATE 2 29 76 INCLUSIVE

HIGH TEMP = 18.90 LOW TEMP = 7.80 RAIN = 5.08 SNOW =10.16
-13.20 -17.70 0.00 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	3.40				0.70
	0.50				0.50
W W FLOW PEAK	4.00				0.80
	0.95				0.61
W W TEMP	12.80	13.90	10.00	11.10	11.10
	6.10	10.60	1.10	1.10	1.10
PH	6.70	6.90	7.80	7.80	7.40
	4.60	6.40	6.90	6.90	6.90
DIS. OXYGEN	15.00	9.40	15.00	15.00	15.00
	11.00	1.60	13.60	13.20	13.10
ALKALINITY	46.10	53.90	78.90	93.90	73.60
	0.99	15.60	40.40	27.10	40.40
TOTAL BOD5	336.00	103.00	61.00	61.00	20.00
	90.00	28.00	14.00	15.00	5.00
SOLUBLE BOD5	186.00	96.00	58.00	59.00	18.00
	48.00	31.00	14.00	7.00	0.00
TOT SUSP SOLIDS	179.00	52.00	19.00	17.00	17.00
	34.00	13.00	5.00	5.00	4.00
VOL SUSP SOLIDS	113.00	42.00	15.00	14.00	13.00
	22.00	8.00	5.00	3.00	4.00
TOTAL COD	291.80	78.70	50.20	49.10	48.90
	79.90	24.90	29.80	24.10	27.40
SOLUBLE COD	94.00	52.00	48.10	49.00	43.20
	28.60	21.40	28.20	28.30	24.00
TOTL PHOSPHORUS	4.78			1.08	1.10
	1.10			0.25	0.13
TKN	23.40			25.40	24.80
	2.20			8.10	12.60
NH4+ - N	19.10			23.20	22.90
	1.70			11.60	13.60
NO2- - N				0.12	
				0.10	
NO3- - N				0.76	
				0.10	
ALGAE CELL CNT		1551.60	895.50	886.30	1054.40
		452.20	31.30	22.70	11.10
FECAL COLIFORM				1600.00	13.00
				2.00	2.00
TURBIDITY	165.00	89.00	28.20	29.70	30.90
	40.00	24.70	15.40	11.10	14.00
CHLORINE RESID.					0.80
					0.40

MAX & MIN VALUES FROM DATE 3 10 76 TO DATE 3 16 76 INCLUSIVE

HIGH TEMP = 14.40	LOW TEMP = 2.20	RAIN = 0.00	SNOW = 0.00
5.60	-4.30	0.00	0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.20				0.63
	0.80				0.50
W W FLOW PEAK	2.40				0.80
	1.60				0.65
W W TEMP	12.20	12.80	11.10	9.40	8.90
	7.80	11.10	7.80	7.20	7.80
PH	6.80	7.00	8.70	8.80	8.10
	6.40	6.80	8.50	8.50	7.80
DIS. OXYGEN	15.00	9.40	15.00	15.00	15.00
	12.80	4.80	15.00	15.00	15.00
ALKALINITY	43.40	48.50	39.00	52.40	35.80
	23.80	42.20	24.80	30.70	23.60
TOTAL BOD5	240.00	42.00	26.00	32.00	12.00
	120.00	24.00	14.00	16.00	5.00
SOLUBLE BOD5	105.00	62.00	42.00	26.00	6.00
	51.00	13.00	13.00	7.00	0.00
TOT SUSP SOLIDS	170.00	27.00	23.00	22.00	19.00
	42.00	18.00	20.00	17.00	13.00
VOL SUSP SOLIDS	104.00	18.00	22.00	20.00	18.00
	26.00	13.00	18.00	16.00	12.00
TOTAL COD	264.00	64.10	52.00	49.50	48.00
	62.60	54.50	45.50	41.20	38.10
SOLUBLE COD	117.00	41.70	36.40	35.00	36.60
	42.50	35.00	27.20	27.10	26.20
TOTL PHOSPHORUS	4.80			0.48	0.35
	1.01			0.10	0.10
TKN	18.20			15.40	16.30
	9.60			11.50	11.50
NH4+ - N	18.20			17.30	19.70
	8.10			10.70	10.50
NO2- - N				0.10	
				0.10	
NO3- - N				0.35	
				0.28	
ALGAE CELL CNT		681.60	1743.68	2066.50	2553.60
		512.40	26.49	43.10	435.10
FECAL COLIFORM				2400.00	17.00
				170.00	2.00
TURBIDITY	151.00	47.00	37.70	38.10	35.20
	47.00	41.00	27.10	28.60	23.10
CHLORINE RESID.					0.60
					0.40

MAX & MIN VALUES FROM DATE 4 6 76 TO DATE 4 12 76 INCLUSIVE

HIGH TEMP = 16.70	LOW TEMP = 6.70	RAIN = 0.16	SNOW = 0.00
6.70	-4.90	0.00	0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.20				0.60
	0.80				0.40
W W FLOW PEAK	2.40				0.85
	1.40				0.55
W W TEMP	13.90	15.60	13.90	12.80	12.80
	10.00	11.10	9.40	8.90	9.40
PH	7.00	6.90	7.40	7.40	7.40
	6.70	6.80	7.30	7.30	7.30
DIS. OXYGEN	12.40	5.30	13.10	12.80	12.50
	10.40	3.00	11.00	11.20	11.40
ALKALINITY	72.30	75.20	66.90	71.30	62.30
	49.70	61.10	55.80	58.40	55.00
TOTAL BOD5	216.00	59.00	28.00	19.00	8.00
	90.00	27.00	11.00	7.00	0.00
SOLUBLE BOD5	84.00	32.00	22.00	21.00	7.00
	24.00	6.00	7.00	5.00	0.00
TOT SUSP SOLIDS	165.00	62.00	16.00	14.00	8.00
	104.00	45.00	8.00	7.00	3.00
VOL SUSP SOLIDS	123.00	44.00	14.00	13.00	7.00
	76.00	31.00	8.00	7.00	3.00
TOTAL COD	305.00	99.70	67.10	55.70	51.50
	213.00	86.40	41.50	42.70	39.50
SOLUBLE COD	163.00	88.60	50.20	46.40	51.90
	102.00	48.00	38.30	36.80	37.40
TOTL PHOSPHORUS	5.41			0.75	0.62
	3.95			0.32	0.20
TKN	21.10			18.30	19.30
	16.00			15.20	14.10
NH4+ - N	27.90			25.10	21.30
	16.30			17.60	13.70
NO2- - N				0.10	
				0.10	
NO3- - N				0.28	
				0.13	
ALGAE CELL CNT		2906.80	330.60	155.70	274.50
		315.68	90.80	25.40	43.30
FECAL COLIFORM				540.00	2.00
				5.00	2.00
TURBIDITY	134.00	110.00	19.90	16.50	19.80
	86.00	82.00	11.30	11.20	8.80
CHLORINE RESID.					0.60
					0.40

MAX & MIN VALUES FROM DATE 5 1 76 TO DATE 5 7 76 INCLUSIVE

HIGH TEMP = 27.80	LOW TEMP = 12.80	RAIN = 0.63	SNOW = 0.00
13.30	-0.50	0.00	0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.20				0.58
	0.50				0.40
W W FLOW PEAK	2.00				0.75
	1.20				0.60
W W TEMP	18.90	20.00	17.20	18.30	17.80
	12.80	17.20	15.00	13.30	12.80
PH	6.80	7.10	7.60	7.60	7.50
	6.70	7.00	7.50	7.50	7.40
DIS. OXYGEN	10.30	7.00	11.00	11.20	11.40
	6.80	2.40	7.50	7.60	7.50
ALKALINITY	128.30	121.00	103.60	103.40	99.60
	87.70	102.40	97.00	95.50	92.30
TOTAL BOD5	234.00	67.00	17.00	15.00	8.00
	108.00	46.00	9.00	6.00	0.00
SOLUBLE BOD5	82.00	29.00	15.00	13.00	7.00
	45.00	14.00	8.00	6.00	0.00
TOT SUSP SOLIDS	195.00	100.00	16.00	6.00	14.00
	127.00	81.00	2.00	2.00	2.00
VOL SUSP SOLIDS	139.00	65.00	12.00	5.00	5.00
	98.00	57.00	2.00	2.00	2.00
TOTAL COD	563.00	244.30	44.10	41.60	44.20
	300.60	155.20	36.60	36.80	36.50
SOLUBLE COD	237.20	136.10	47.70	44.80	46.50
	129.00	60.30	37.80	37.00	35.50
TOTL PHOSPHORUS	7.50			1.10	1.09
	4.21			0.56	0.56
TKN	31.70			29.50	29.20
	17.60			16.00	17.00
NH4+ - N	35.10			29.20	33.10
	21.30			18.20	17.10
NO2- - N				0.10	
				0.10	
NO3- - N				0.35	
				0.27	
ALGAE CELL CNT		20.52	263.90	227.60	230.50
		1.11	115.50	118.70	157.80
FECAL COLIFORM				1600.00	2.00
				2.00	2.00
TURBIDITY	190.00	134.00	10.40	10.00	9.90
	115.00	105.00	7.40	5.90	5.90
CHLORINE RESID.					0.80
					0.50

MAX & MIN VALUES FROM DATE 5 8 76 TO DATE 5 14 76 INCLUSIVE

HIGH TEMP = 26.10	LOW TEMP = 10.00	RAIN = 0.16	SNOW = 0.00
15.60	-0.50	0.00	0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.90				0.65
	0.40				0.35
W W FLOW PEAK	1.50				0.80
	0.90				0.50
W W TEMP	15.00	21.10	17.20	17.20	17.80
	12.80	16.10	13.30	12.80	12.20
PH	6.90	7.10	7.80	7.90	7.80
	6.80	7.00	7.60	7.60	7.40
DIS. OXYGEN	8.00	4.00	13.30	13.70	11.80
	5.90	2.60	10.10	10.00	10.50
ALKALINITY	118.60	127.90	113.30	113.90	107.70
	100.20	120.40	105.20	98.40	99.20
TOTAL BOD5	228.00	85.00	50.00	30.00	11.00
	144.00	49.00	11.00	11.00	5.00
SOLUBLE BOD5	126.00	90.00	50.00	50.00	11.00
	63.00	25.00	6.00	9.00	4.00
TOT SUSP SOLIDS	197.00	112.00	15.00	11.00	9.00
	151.00	85.00	6.00	5.00	4.00
VOL SUSP SOLIDS	146.00	76.00	13.00	10.00	9.00
	122.00	62.00	5.00	5.00	4.00
TOTAL COD	546.60	543.60	87.40	50.30	52.90
	340.50	164.70	39.80	35.30	33.50
SOLUBLE COD	277.70	116.20	54.60	55.30	56.70
	115.10	44.70	39.60	30.40	33.40
TOTL PHOSPHORUS	8.81			1.02	1.02
	5.27			0.70	0.70
TKN	34.70			28.10	30.20
	21.30			14.80	14.10
NH4+ - N	45.40			35.60	35.40
	23.70			24.50	23.70
NO2- - N				0.10	
				0.10	
NO3- - N				0.27	
				0.17	
ALGAE CELL CNT		2.36	904.60	1188.30	910.20
		0.04	884.30	788.90	806.70
FECAL COLIFORM				49.00	2.00
				17.00	2.00
TURBIDITY	180.00	163.00	14.80	12.50	13.20
	142.00	122.00	11.30	5.30	6.50
CHLORINE RESID.					0.90
					0.50

MAX & MIN VALUES FROM DATE 5 15 76 TO DATE 5 21 76 INCLUSIVE

HIGH TEMP = 30.60	LOW TEMP = 15.60	RAIN = 0.16	SNOW = 0.00
8.90	3.30	0.00	0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
# W FLOW MIN.	1.20				0.60
	0.40				0.30
W W FLOW PEAK	1.95				0.80
	0.65				0.50
W W TEMP	20.00	23.90	22.20	27.20	22.80
	12.20	19.40	15.00	14.40	13.90
PH	6.90	7.00	8.00	8.00	7.90
	6.70	6.90	7.80	7.80	7.70
DIS. OXYGEN	8.30	3.70	12.70	14.00	13.00
	6.00	1.60	11.60	11.80	10.80
ALKALINITY	122.00	139.00	112.90	113.50	107.90
	100.20	131.30	110.80	109.00	86.00
TOTAL BOD5	216.00	80.00	48.00	49.00	23.00
	132.00	58.00	22.00	17.00	8.00
SOLUBLE BOD5	180.00	96.00	51.00	52.00	14.00
	48.00	41.00	16.00	11.00	6.00
TOT SUSP SOLIDS	187.00	133.00	24.00	21.00	18.00
	87.00	108.00	13.00	14.00	13.00
VOL SUSP SOLIDS	155.00	86.00	18.00	19.00	15.00
	71.00	73.00	12.00	12.00	12.00
TOTAL COD	537.80	317.50	66.70	63.50	62.40
	330.90	110.20	51.40	51.50	50.10
SOLUBLE COD	458.90	119.50	60.40	74.50	57.90
	190.70	90.10	48.70	51.10	49.60
TOTL PHOSPHORUS	6.75			1.54	1.62
	4.21			1.17	1.05
TKN	33.20			36.00	26.00
	19.50			19.60	14.40
NH4+ - N	37.20			34.30	31.70
	14.20			14.50	14.20
NO2- - N				0.10	
				0.10	
NO3- - N				0.47	
				0.23	
ALGAE CELL CNT		1.02	3606.60	2793.40	3597.60
		0.09	1711.30	1881.30	1555.30
FECAL COLIFORM				920.00	2.00
				17.00	2.00
TURBIDITY	178.00	167.00	27.10	30.00	22.20
	125.00	125.00	11.40	10.90	10.40
CHLORINE RESID.					0.60
					0.40

MAX & MIN VALUES FROM DATE 5 22 76 TO DATE 5 30 76 INCLUSIVE

HIGH TEMP = 30.00 LOW TEMP = 15.60 RAIN = 0.63 SNOW = 0.00
15.00 3.30 0.00 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.90				0.90
	0.50				0.45
W W FLOW PEAK	1.60				1.05
	1.00				0.65
W W TEMP	17.20	22.80	18.90	18.90	18.90
	12.80	20.00	16.70	16.10	15.60
PH	6.90	7.10	8.20	8.30	8.00
	6.80	7.00	7.90	8.00	7.80
DIS. OXYGEN	8.80	4.40	14.00	14.20	13.40
	4.00	2.00	11.30	11.60	11.30
ALKALINITY	126.00	155.20	120.10	118.40	115.60
	111.70	137.10	111.70	113.50	105.10
TOTAL BODS	378.00	97.00	50.00	50.00	22.00
	204.00	65.00	35.00	25.00	13.00
SOLUBLE BODS	192.00	94.00	49.00	49.00	17.00
	90.00	67.00	26.00	23.00	10.00
TOT SUSP SOLIDS	273.00	135.00	32.00	38.00	27.00
	88.00	57.00	20.00	21.00	17.00
VOL SUSP SOLIDS	203.00	92.00	32.00	30.00	25.00
	70.00	46.00	19.00	20.00	17.00
TOTAL COD	486.70	256.00	85.40	82.40	73.10
	252.40	155.60	62.50	63.50	63.70
SOLUBLE COD	267.90	123.40	62.70	64.60	74.80
	142.80	94.10	48.90	44.20	50.00
TOTL PHOSPHORUS	9.77			2.30	2.44
	5.07			1.52	1.47
TKN	35.20			32.50	39.00
	24.20			24.20	18.80
NH4+ - N	41.70			37.10	40.30
	29.30			26.40	21.50
NO2- - N				0.17	
				0.11	
NO3- - N				0.18	
				0.15	
ALGAE CELL CNT		2.11	127.26	122.85	109.72
		0.46	83.84	90.28	76.79
FECAL COLIFORM				540.00	2.00
				70.00	2.00
TURBIDITY	290.00	166.00	40.80	33.50	28.90
	137.00	138.00	25.50	24.70	22.20
CHLORINE RESID.					0.60
					0.30

MAX & MIN VALUES FROM DATE 5 1 76 TO DATE 5 30 76 INCLUSIVE

HIGH TEMP = 30.60	LOW TEMP = 15.60	RAIN = 0.63	SNOW = 0.00
8.90	-0.50	0.00	0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.20				0.90
	0.40				0.30
W W FLOW PEAK	2.00				1.05
	0.85				0.50
W W TEMP	20.00	23.90	22.20	22.20	22.80
	12.20	16.10	13.30	12.80	12.20
PH	6.90	7.10	8.20	8.30	8.00
	6.70	6.90	7.50	7.50	7.40
DIS. OXYGEN	10.30	7.00	14.00	14.20	13.40
	4.00	1.60	7.50	7.60	7.50
ALKALINITY	128.30	155.20	120.10	118.40	115.60
	87.70	102.40	97.00	95.50	86.00
TOTAL BOD5	378.00	97.00	50.00	50.00	23.00
	108.00	46.00	9.00	6.00	0.00
SOLUBLE BOD5	192.00	96.00	51.00	52.00	17.00
	45.00	14.00	6.00	6.00	0.00
TOT SUSP SOLIDS	273.00	135.00	32.00	38.00	27.00
	87.00	57.00	2.00	2.00	2.00
VOL SUSP SOLIDS	203.00	92.00	32.00	30.00	25.00
	70.00	46.00	2.00	2.00	2.00
TOTAL COD	563.00	543.60	87.40	82.40	73.10
	252.40	110.20	36.60	35.30	33.50
SOLUBLE COD	458.90	136.10	62.70	74.50	74.80
	115.10	44.70	37.80	30.40	33.40
TOTL PHOSPHORUS	9.77			2.30	2.44
	4.21			0.56	0.56
TKN	35.20			36.00	39.00
	17.60			14.80	14.10
NH4+ - N	45.40			37.10	40.30
	14.20			14.50	14.20
NO2- - N				0.17	
				0.10	
NO3- - N				0.47	
				0.15	
ALGAE CELL CNT		20.52	3606.60	2793.40	3597.60
		0.04	83.84	90.28	76.79
FECAL COLIFORM				1600.00	2.00
				2.00	2.00
TURBIDITY	290.00	167.00	40.80	33.50	28.90
	115.00	105.00	7.40	5.30	5.90
CHLORINE RESID.					0.90
					0.30

MAX & MIN VALUES FROM DATE 6 9 76 TO DATE 6 15 76 INCLUSIVE

HIGH TEMP = 36.70 LOW TEMP = 18.90 RAIN = 0.16 SNOW = 0.00
26.70 11.10 0.00 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	0.95				1.03
	0.55				0.40
W W FLOW PEAK	1.40				1.30
	0.90				0.70
W W TEMP	22.20	27.20	25.00	25.00	25.00
	17.80	25.00	22.80	22.80	22.80
PH	6.90	7.20	8.00	8.00	8.00
	6.70	7.10	7.50	7.60	7.50
DIS. OXYGEN	8.40	2.80	8.80	9.40	8.40
	5.20	2.10	4.70	4.20	5.00
ALKALINITY	127.70	190.90	149.90	149.40	144.30
	113.90	144.10	128.10	131.30	126.00
TOTAL BOD5	246.00	83.00	46.00	47.00	21.00
	138.00	56.00	21.00	19.00	12.00
SOLUBLE BOD5	135.00	74.00	30.00	13.00	11.00
	69.00	32.00	6.00	7.00	5.00
TOT SUSP SOLIDS	208.00	157.00	32.00	35.00	28.00
	110.00	78.00	3.00	4.00	3.00
VOL SUSP SOLIDS	152.00	98.00	28.00	30.00	26.00
	90.00	59.00	3.00	4.00	3.00
TOTAL COD	873.20	218.40	75.70	67.80	66.60
	223.90	151.90	45.10	39.20	39.70
SOLUBLE COD	215.10	118.20	65.20	90.10	61.60
	160.50	88.50	44.30	42.40	39.50
TOTL PHOSPHORUS	8.12			3.97	3.75
	8.12			2.87	3.75
TKN	36.80			41.60	38.50
	31.50			27.30	25.70
NH4+ - N	35.60			38.20	39.50
	22.90			24.80	24.80
NO2- - N				0.55	
				0.35	
NO3- - N				0.15	
				0.10	
ALGAE CELL CNT		1.02	49.62	22.46	26.69
		0.83	25.92	11.48	19.89
FECAL COLIFORM				1600.00	2.00
				17.00	2.00
TURBIDITY	215.00	270.00	36.70	38.20	36.70
	135.00	150.00	12.60	17.00	11.90
CHLORINE RESID.					0.60
					0.20

MAX & MIN VALUES FROM DATE 7 5 76 TO DATE 7 11 76 INCLUSIVE

HIGH TEMP = 33.30	LOW TEMP = 17.80	RAIN = 5.08	SNOW = 0.00
25.90	11.10	0.00	0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.10				1.10
	0.60				0.70
W W FLOW PEAK	2.00				1.20
	1.30				1.00
W W TEMP	23.90	26.10	24.40	23.90	24.40
	17.80	25.00	22.20	21.10	22.20
PH	6.80	7.20	7.80	7.90	7.80
	6.70	7.10	7.60	7.70	7.60
DIS. OXYGEN	8.30	4.40	10.70	10.90	10.40
	4.20	2.00	8.00	7.70	8.00
ALKALINITY	132.70	183.90	208.60	207.50	202.50
	114.30	154.20	173.50	169.30	162.40
TOTAL BODS	180.00	50.00	42.00	31.00	11.00
	126.00	36.00	16.00	14.00	5.00
SOLUBLE BODS	96.00	34.00	32.00	11.00	8.00
	57.00	22.00	7.00	6.00	5.00
TOT SUSP SOLIDS	200.00	72.00	13.00	12.00	10.00
	79.00	46.00	7.00	6.00	6.00
VOL SUSP SOLIDS	141.00	47.00	12.00	10.00	10.00
	56.00	30.00	7.00	6.00	6.00
TOTAL COD	596.20	220.70	84.30	75.20	71.00
	305.40	97.30	47.70	46.50	46.40
SOLUBLE COD	237.30	103.70	71.70	75.50	67.30
	137.20	53.70	45.10	48.30	44.40
TOTL PHOSPHORUS	8.07			4.91	7.73
	3.37			4.55	4.62
TKN	36.40			60.60	73.30
	27.20			32.10	29.60
NH4+ - N	32.10			63.40	79.90
	25.40			23.80	23.40
NO2- - N				0.70	
				0.15	
NO3- - N				0.10	
				0.10	
ALGAE CELL CNT		0.81	132.30	2.06	1.77
		0.09	2.61	1.61	1.35
FECAL COLIFORM				70.00	2.00
				4.00	2.00
TURBIDITY	231.00	112.00	27.90	22.10	21.70
	136.00	80.00	15.20	16.80	15.70
CHLORINE RESID.					0.60
					0.40

MAX & MIN VALUES FROM DATE 7 12 76 TO DATE 7 18 76 INCLUSIVE

HIGH TEMP = 33.30 LOW TEMP = 18.90 RAIN = 7.62 SNOW = 0.00
20.00 9.40 0.00 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.80				1.95
	0.40				0.75
W W FLOW PEAK	3.00				2.00
	0.50				0.80
W W TEMP	22.80	25.00	23.90	23.90	23.90
	17.20	22.20	21.10	21.10	20.00
PH	6.70	7.20	7.80	7.80	7.80
	6.20	7.10	7.60	7.70	7.60
DIS. OXYGEN	11.10	4.60	9.80	9.60	9.70
	8.70	1.70	7.50	7.20	7.70
ALKALINITY	57.90	151.30	171.20	171.20	171.40
	18.80	108.90	139.00	161.60	75.70
TOTAL BOD5	120.00	74.00	47.00	49.00	29.00
	12.00	50.00	19.00	19.00	9.00
SOLUBLE BOD5	84.00	77.00	45.00	16.00	9.00
	3.00	6.00	4.00	4.00	4.00
TOT SUSP SOLIDS	184.00	61.00	13.00	12.00	13.00
	0.01	40.00	9.00	8.00	9.00
VOL SUSP SOLIDS	99.00	33.00	11.00	11.00	12.00
	23.00	23.00	9.00	3.00	3.00
TOTAL COD	299.70	128.50	55.40	53.50	50.30
	226.40	65.40	50.40	47.30	41.80
SOLUBLE COD	203.80	79.10	54.20	54.80	52.15
	45.90	34.20	46.90	44.80	40.20
TOTL PHOSPHORUS	4.59			4.52	4.68
	0.27			4.27	4.13
TKN	28.60			34.50	34.20
	5.60			29.10	26.40
NH4+ - N	30.90			36.40	36.80
	5.08			26.80	27.70
NO2- - N				1.02	
				0.72	
NO3- - N				0.10	
				0.10	
ALGAE CELL CNT		0.61	2.64	102.46	2.53
		0.58	2.52	2.95	2.36
FECAL COLIFORM				26.00	4.00
				2.00	2.00
TURBIDITY	294.00	87.00	18.30	20.10	26.70
	56.00	57.00	13.90	13.90	13.90
CHLORINE RESID.					0.50
					0.20

MAX & MIN VALUES FROM DATE 7 19 76 TO DATE 7 25 76 INCLUSIVE

HIGH TEMP = 33.30 LOW TEMP = 20.60 RAIN = 0.16 SNOW = 0.00
23.90 11.10 0.00 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.50				1.85
	1.00				1.28
W W FLOW PEAK	1.90				2.00
	1.70				1.30
W W TEMP	21.10	26.10	23.90	23.90	23.90
	17.80	23.90	22.20	22.80	22.20
PH	6.70	7.10	7.90	7.90	7.80
	6.30	6.80	7.30	7.40	7.20
DIS. OXYGEN	9.60	3.20	10.60	10.40	10.40
	7.90	1.70	6.10	5.60	6.90
ALKALINITY	89.90	107.00	158.40	157.00	151.00
	60.60	99.00	146.00	148.00	136.00
TOTAL BOD5	228.00	92.00	47.00	49.00	49.00
	84.00	67.00	25.00	20.00	23.00
SOLUBLE BOD5	162.00	90.00	50.00	52.00	19.00
	78.00	26.00	23.00	15.00	11.00
TOT SUSP SOLIDS	255.00	55.00	13.00	13.00	15.00
	73.00	31.00	9.00	10.00	10.00
VOL SUSP SOLIDS	143.00	32.00	13.00	12.00	13.00
	31.00	18.00	8.00	9.00	7.00
TOTAL COD	396.60	289.10	57.10	59.60	56.10
	226.40	80.60	47.60	45.40	44.10
SOLUBLE COD	345.30	88.40	56.00	54.20	79.10
	192.50	39.80	46.80	47.80	42.30
TOTL PHOSPHORUS	6.30			4.32	4.30
	3.17			3.85	3.85
TKN	29.10			34.80	34.80
	17.70			22.00	0.30
NH4+ - N	25.70			35.30	34.70
	17.80			26.10	26.10
NO2- - N				0.98	
				0.72	
NO3- - N				0.38	
				0.23	
ALGAE CELL CNT		1.17	5.01	7.73	6.20
		0.18	3.94	4.90	4.55
FECAL COLIFORM				170.00	13.00
				4.00	2.00
TURBIDITY	185.00	93.00	25.80	28.40	25.80
	125.00	53.00	17.40	16.10	16.10
CHLORINE RESID.					0.60
					0.30

MAX & MIN VALUES FROM DATE 7 26 76 TO DATE 7 31 76 INCLUSIVE

HIGH TEMP = 35.00	LOW TEMP = 21.10	RAIN = 0.00	SNOW = 0.00
27.80	8.90	0.00	0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.10				1.25
	0.90				0.90
W W FLOW PEAK	1.70				1.40
	1.40				1.05
W W TEMP	21.10	27.20	25.60	25.00	25.00
	18.90	24.40	23.30	23.30	22.80
PH	6.70	7.10	7.70	7.80	7.70
	6.50	7.00	7.60	7.60	7.50
DIS. OXYGEN	8.60	3.00	9.00	9.40	9.00
	6.70	1.80	7.20	7.10	8.00
ALKALINITY	98.40	105.00	146.00	147.00	142.00
	86.70	100.00	135.00	124.00	132.00
TOTAL BODS	288.00	92.00	49.00	52.00	48.00
	180.00	68.00	37.00	41.00	42.00
SOLUBLE BODS	177.00	89.00	48.00	49.00	37.00
	102.00	43.00	34.00	35.00	13.00
TOT SUSP SOLIDS	262.00	61.00	13.00	11.00	16.00
	156.00	46.00	7.00	7.00	7.00
VOL SUSP SOLIDS	159.00	38.00	12.00	11.00	16.00
	108.00	28.00	7.00	5.00	7.00
TOTAL COD	475.80	173.60	49.20	51.90	55.10
	244.10	109.40	45.70	46.00	46.00
SOLUBLE COD	377.90	136.20	48.50	48.80	52.90
	145.90	20.50	42.10	41.80	42.20
TOTL PHOSPHORUS	8.92			3.74	3.83
	5.10			3.43	3.61
TKN	32.50			34.80	32.50
	27.20			29.60	29.90
NH4+ - N	28.90			32.00	29.90
	22.60			26.80	24.90
NO2- - N				0.60	
				0.22	
NO3- - N				0.79	
				0.10	
ALGAE CELL CNT		0.95	4.16	8.28	2.42
		0.67	3.41	2.37	2.25
FECAL COLIFORM				13.00	5.00
				2.00	2.00
TURBIDITY	300.00	107.00	21.90	21.30	20.00
	157.00	76.00	17.40	12.90	12.90
CHLORINE RESID.					0.80
					0.40

MAX & MIN VALUES FROM DATE 7 5 76 TO DATE 7 31 76 INCLUSIVE

HIGH TEMP = 35.00 LOW TEMP = 21.10 RAIN = 7.62 SNOW = 0.00
20.00 8.90 0.00 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.80				1.95
	0.40				0.70
W W FLOW PEAK	3.00				2.00
	0.50				0.80
W W TEMP	23.90	27.20	25.60	25.00	25.00
	17.20	22.20	21.10	21.10	20.00
PH	6.80	7.20	7.90	7.90	7.80
	6.20	6.80	7.30	7.40	7.20
DIS. OXYGEN	11.10	4.60	10.70	10.90	10.40
	4.20	1.70	6.10	5.60	6.90
ALKALINITY	132.70	183.90	208.60	207.50	202.50
	18.80	99.00	135.00	124.00	75.70
TOTAL BOD5	288.00	92.00	49.00	52.00	49.00
	12.00	36.00	16.00	14.00	5.00
SOLUBLE BOD5	177.00	90.00	50.00	52.00	37.00
	3.00	6.00	4.00	4.00	4.00
TOT SUSP SOLIDS	262.00	72.00	13.00	13.00	16.00
	0.01	31.00	7.00	6.00	6.00
VOL SUSP SOLIDS	159.00	47.00	13.00	12.00	16.00
	23.00	18.00	7.00	3.00	3.00
TOTAL COD	596.20	289.10	84.30	75.20	71.00
	226.40	65.40	45.70	45.40	41.80
SOLUBLE COD	377.90	136.20	71.70	75.50	79.10
	45.90	20.50	42.10	41.80	40.20
TOTL PHOSPHORUS	8.92			4.91	7.73
	0.27			3.43	3.61
TKN	36.40			60.60	73.30
	5.60			22.00	0.30
NH4+ - N	32.10			63.40	79.90
	5.08			23.80	23.40
NO2- - N				1.02	
				0.15	
NO3- - N				0.79	
				0.10	
ALGAE CELL CNT		1.17	132.30	102.46	6.20
		0.09	2.52	1.61	1.35
FECAL COLIFORM				170.00	13.00
				2.00	2.00
TURBIDITY	300.00	112.00	27.90	28.40	26.70
	56.00	53.00	13.90	12.90	12.90
CHLORINE RESID.					0.80
					0.20

MAX & MIN VALUES FROM DATE 8 1 76 TO DATE 8 3 76 INCLUSIVE

HIGH TEMP = 30.00 LOW TEMP = 15.60 RAIN = 0.08 SNOW = 0.00
23.30 7.80 0.00 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.20				1.10
	0.90				1.03
W W FLOW PEAK	1.80				2.05
	1.30				1.15
W W TEMP	20.00	25.60	23.30	22.80	22.80
	18.90	23.90	22.20	22.20	22.20
PH	6.80	7.00	7.70	7.80	7.70
	6.60	6.90	7.60	7.70	7.60
DIS. OXYGEN	8.40	2.90	8.60	8.80	9.10
	6.80	2.60	7.20	7.30	7.70
ALKALINITY	110.00	110.00	136.00	136.00	132.00
	76.00	105.00	132.00	133.00	131.00
TOTAL BOD5	366.00	96.00	49.00	49.00	50.00
	204.00	72.00	41.00	44.00	38.00
SOLUBLE BOD5	180.00	98.00	53.00	54.00	48.00
	144.00	79.00	46.00	10.00	8.00
TOT SUSP SOLIDS	267.00	59.00	12.00	11.00	11.00
	143.00	55.00	10.00	9.00	7.00
VOL SUSP SOLIDS	182.00	42.00	11.00	10.00	10.00
	99.00	38.00	9.00	8.00	7.00
TOTAL COD	926.80	180.60	51.40	48.10	45.00
	891.50	130.80	45.20	43.60	42.30
SOLUBLE COD	427.40	140.80	48.60	46.40	45.80
	301.10	117.80	41.10	40.60	42.10
TOTL PHOSPHORUS	8.50			3.22	3.22
	4.22			3.07	3.18
TKN	33.41			34.10	36.10
	28.20			27.10	22.20
NH4+ - N	28.90			28.00	29.00
	27.30			26.40	26.90
NO2- - N				0.51	
				0.49	
NO3- - N				0.42	
				0.24	
ALGAE CELL CNT		1.45	3.20	2.32	2.58
		1.45	3.20	2.32	2.58
FECAL COLIFORM				17.00	2.00
				7.00	2.00
TURBIDITY	245.00	115.00	18.70	17.00	18.10
	174.00	105.00	18.10	14.20	16.40
CHLORINE RESID.					0.60
					0.40

MAX & MIN VALUES FROM DATE 8 16 76 TO DATE 8 22 76 INCLUSIVE

HIGH TEMP = 36.70 LOW TEMP = 12.20 RAIN = 0.00 SNOW = 0.00
26.70 8.90 0.00 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.50				1.40
	1.00				0.19
W W FLOW PEAK	2.00				1.50
	1.50				0.24
W W TEMP	18.90	24.40	22.80	22.20	22.20
	17.20	22.20	21.10	21.10	20.60
PH	6.60	7.00	7.80	7.90	7.80
	6.50	6.80	7.60	7.70	7.30
DIS. OXYGEN	9.00	3.00	9.10	8.70	9.70
	7.20	1.40	7.60	7.00	6.50
ALKALINITY	79.60	90.30	121.00	122.00	114.00
	53.70	79.40	92.30	106.00	103.00
TOTAL BOD5	234.00	59.00	32.00	19.00	13.00
	66.00	19.00	5.00	4.00	0.00
SOLUBLE BOD5	57.00	20.00	11.00	9.00	8.00
	33.00	10.00	5.00	2.00	0.00
TOT SUSP SOLIDS	328.00	73.00	25.00	23.00	26.00
	99.00	52.00	4.00	6.00	4.00
VOL SUSP SOLIDS	241.00	49.00	14.00	14.00	14.00
	63.00	37.00	4.00	6.00	4.00
TOTAL COD	841.80	175.80	58.30	58.10	58.10
	310.80	44.70	0.30	49.50	46.90
SOLUBLE COD	263.30	142.60	56.20	77.70	50.80
	81.20	16.20	40.50	46.30	42.70
TOTL PHOSPHORUS	14.32			3.26	3.31
	2.83			3.02	3.02
TKN	29.90			31.20	32.20
	20.10			23.40	24.20
NH4+ - N	28.30			33.60	33.60
	15.10			21.00	20.40
NO2- - N				0.58	
				0.35	
NO3- - N				0.37	
				0.10	
ALGAE CELL CNT		3.73	12.85	48.90	85.00
		2.32	2.96	7.94	2.06
FECAL COLIFORM				2400.00	13.00
				5.00	2.00
TURBIDITY	339.00	157.00	24.20	21.20	20.90
	111.00	106.00	8.60	7.90	7.90
CHLORINE RESID.					1.00
					0.15

MAX & MIN VALUES FROM DATE 9 8 76 TO DATE 9 14 76 INCLUSIVE

HIGH TEMP = 32.20 LOW TEMP = 12.80 RAIN = 0.08 SNOW = 0.00
20.00 2.80 0.00 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.30				1.00
	0.90				0.50
W W FLOW PEAK	1.80				1.05
	1.40				0.70
W W TEMP	19.40	23.90	21.10	21.10	22.20
	17.80	21.10	18.90	18.90	18.30
PH	6.80	7.00	7.50	7.60	7.50
	6.60	6.90	7.30	7.40	7.20
DIS. OXYGEN	8.60	3.70	6.20	6.40	6.80
	4.60	1.80	5.50	5.10	6.00
ALKALINITY	112.00	92.20	98.00	98.00	96.20
	90.00	83.00	89.20	90.40	88.40
TOTAL BODS	216.00	48.00	13.00	11.00	7.00
	120.00	26.00	8.00	4.00	2.00
SOLUBLE BODS	81.00	19.00	10.00	8.00	4.00
	42.00	10.00	5.00	4.00	2.00
TOT SUSP SOLIDS	276.00	93.00	9.00	11.00	8.00
	113.00	84.00	7.00	7.00	6.00
VOL SUSP SOLIDS	206.00	77.00	9.00	9.00	7.00
	78.00	69.00	7.00	7.00	5.00
TOTAL COD	1743.10	210.30	65.10	45.50	50.50
	611.60	50.90	43.40	38.50	40.00
SOLUBLE COD	353.10	139.40	45.50	46.10	51.30
	116.60	19.40	40.00	40.10	43.80
TOTL PHOSPHORUS	8.04			2.72	2.89
	4.98			2.47	2.47
TKN	78.10			43.30	57.80
	26.40			22.80	22.10
NH4+ - N	36.40			35.40	31.90
	24.50			19.70	16.20
NO2- - N				0.20	
				0.16	
NO3- - N				0.98	
				0.25	
ALGAE CELL CNT		6.33	0.34	0.68	0.55
		2.46	0.31	0.24	0.45
FECAL COLIFORM				49.00	13.00
				13.00	2.00
TURBIDITY	259.00	273.00	17.20	16.50	17.90
	143.00	198.00	10.80	11.30	8.60
CHLORINE RESID.					1.00
					0.05

MAX & MIN VALUES FROM DATE 10 1 76 TO DATE 10 7 76 INCLUSIVE

HIGH TEMP = 26.10 LOW TEMP = 11.70 RAIN = 2.54 SNOW = 0.00
13.30 6.70 0.00 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.80				2.10
	0.60				1.05
W W FLOW PEAK	3.00				2.40
	0.90				1.39
W W TEMP	17.80	21.10	18.90	17.20	17.20
	16.10	18.90	15.60	15.00	15.00
PH	6.60	6.90	7.20	7.20	7.20
	5.50	6.70	7.00	7.10	7.00
DIS. OXYGEN	10.70	6.40	7.00	6.20	7.70
	7.30	3.10	4.40	3.60	5.00
ALKALINITY	66.80	87.80	99.20	100.00	97.20
	15.60	62.60	89.00	95.20	90.20
TOTAL BOD5	108.00	76.00	23.00	26.00	10.00
	18.00	17.00	6.00	1.00	0.00
SOLUBLE BOD5	54.00	18.00	16.00	9.00	6.00
	21.00	6.00	3.00	3.00	0.00
TOT SUSP SOLIDS	231.00	66.00	27.00	6.00	6.00
	29.00	46.00	3.00	2.00	1.00
VOL SUSP SOLIDS	155.00	55.00	23.00	5.00	5.00
	20.00	38.00	3.00	2.00	1.00
TOTAL COD	1003.80	255.40	65.30	65.30	65.10
	99.70	15.61	25.70	17.50	19.40
SOLUBLE COD	281.70	51.10	64.60	65.20	64.80
	0.22	19.40	23.90	16.50	18.40
TOTL PHOSPHORUS	9.96			1.95	2.13
	1.18			1.76	1.77
TKN	21.70			25.00	24.90
	4.25			19.80	19.40
NH4+ - N	26.20			33.30	27.80
	4.37			21.80	18.70
NO2- - N				0.14	
				0.09	
NO3- - N				1.01	
				0.30	
ALGAE CELL CNT		0.31	2.40	2.20	3.90
		0.31	2.40	2.20	3.90
FECAL COLIFORM				220.00	13.00
				17.00	2.00
TURBIDITY	192.00	174.00	21.20	21.80	19.30
	93.00	137.00	7.20	6.50	2.00
CHLORINE RESID.					0.70
					0.30

MAX & MIN VALUES FROM DATE 10 8 76 TO DATE 10 14 76 INCLUSIVE

HIGH TEMP = 22.20 LOW TEMP = 11.10 RAIN = 2.54 SNOW = 0.00
10.00 0.00 0.00 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	2.00				1.75
	0.70				0.90
W W FLOW PEAK	3.00				1.85
	1.00				1.05
W W TEMP	18.90	21.10	17.80	17.20	17.20
	13.90	16.70	15.00	12.20	12.80
PH	5.90	6.80	7.10	7.20	7.10
	4.60	6.50	7.00	7.00	7.00
DIS. OXYGEN	10.80	6.60	6.80	6.20	7.10
	8.60	3.40	4.10	4.00	5.10
ALKALINITY	28.40	63.80	94.40	112.60	90.00
	2.40	44.00	44.40	79.20	78.60
TOTAL BODS	138.00	74.00	40.00	46.00	31.00
	48.00	14.00	7.00	5.00	3.00
SOLUBLE BODS	93.00	34.00	40.00	23.00	11.00
	48.00	12.00	5.60	7.00	5.00
TOT SUSP SOLIDS	212.00	35.00	7.00	8.00	6.00
	77.00	7.00	3.00	2.00	3.00
VOL SUSP SOLIDS	142.00	29.00	7.00	7.00	6.00
	36.00	7.00	3.00	2.00	3.00
TOTAL COD	682.20	309.20	50.70	40.40	40.20
	219.10	69.40	36.90	35.20	32.70
SOLUBLE COD	376.60	55.50	41.40	39.70	38.20
	157.60	26.30	34.90	34.30	31.20
TOTL PHOSPHORUS	9.05			1.72	1.72
	0.18			1.30	1.42
TKN	21.00			27.50	26.20
	3.41			17.20	17.90
NH4+ - N	24.10			32.60	35.60
	3.55			22.00	21.40
NO2- - N				0.16	
				0.09	
NO3- - N				0.73	
				0.31	
ALGAE CELL CNT		15.10	1.00	0.70	0.80
		15.10	1.00	0.70	0.80
FECAL COLIFORM				33.00	2.00
				7.00	2.00
TURBIDITY	256.00	107.00	12.30	12.30	12.80
	88.00	22.00	9.20	8.60	8.60
CHLORINE RESID.					1.00
					0.50

MAX & MIN VALUES FROM DATE 10 15 76 TO DATE 10 21 76 INCLUSIVE

HIGH TEMP = 23.90 LOW TEMP = 3.30 RAIN = 0.16 SNOW = 0.00
7.80 -3.80 0.00 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.80				1.25
	0.90				0.83
W W FLOW PEAK	2.40				1.65
	1.40				0.98
W W TEMP	16.10	17.80	15.00	15.00	15.00
	12.20	16.10	10.60	10.00	10.00
PH	6.10	6.70	7.10	7.10	7.00
	5.70	6.50	6.90	7.00	6.90
DIS. OXYGEN	10.10	7.20	8.10	7.20	8.20
	7.40	5.20	5.10	4.80	6.40
ALKALINITY	67.60	41.00	80.60	80.60	77.60
	19.80	37.60	67.60	69.00	64.00
TOTAL BOD5	186.00	79.00	44.00	47.00	48.00
	72.00	43.00	22.00	22.00	8.00
SOLUBLE BOD5	102.00	72.00	44.00	49.00	17.00
	42.00	20.00	29.00	17.00	6.00
TOT SUSP SOLIDS	229.00	81.00	11.00	11.00	11.00
	27.00	4.00	1.00	0.00	0.00
VOL SUSP SOLIDS	155.00	75.00	10.00	11.00	10.00
	18.00	4.00	1.00	0.00	0.00
TOTAL COD	945.60	141.40	45.90	39.10	35.40
	288.10	54.40	30.60	28.60	26.20
SOLUBLE COD	214.90	115.30	40.40	37.20	35.80
	78.90	45.00	27.80	26.70	25.90
TOTL PHOSPHORUS	6.26			1.27	1.12
	2.50			0.80	0.75
TKN	30.00			32.50	34.10
	19.40			19.30	20.40
NH4+ - N	37.10			34.90	35.00
	18.00			21.50	20.40
NO2- - N				0.18	
				0.08	
NO3- - N				1.18	
				0.38	
ALGAE CELL CNT		4.90	0.70	0.80	1.20
		0.64	0.08	0.50	0.60
FECAL COLIFORM				130.00	2.00
				11.00	2.00
TURBIDITY	246.00	30.00	11.60	13.40	12.30
	126.00	21.00	2.00	1.40	2.70
CHLORINE RESID.					1.00
					0.50

MAX & MIN VALUES FROM DATE 10 22 76 TO DATE 10 30 76 INCLUSIVE

HIGH TEMP = 14.40	LOW TEMP = 5.60	RAIN = 0.16	SNOW = 0.00
6.10	-7.70	0.00	0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	1.60				1.80
	0.80				1.05
W W FLOW PEAK	2.10				1.88
	1.00				1.20
W W TEMP	15.00	16.10	12.20	12.20	12.20
	12.20	12.80	10.00	7.80	7.80
PH	6.20	6.60	7.00	7.00	6.90
	4.50	6.40	6.70	6.70	6.60
DIS. OXYGEN	10.80	8.70	8.70	8.90	8.70
	8.00	5.50	6.40	6.00	6.40
ALKALINITY	41.20	38.20	61.60	60.60	60.00
	2.40	27.80	41.00	40.60	38.00
TOTAL BOD5	210.00	72.00	48.00	49.00	43.00
	108.00	12.00	26.00	34.00	0.60
SOLUBLE BOD5	153.00	80.00	47.00	50.00	36.00
	30.00	8.00	19.00	34.00	0.00
TOT SUSP SOLIDS	528.00	14.00	6.00	6.00	9.00
	42.00	5.00	1.00	1.00	1.00
VOL SUSP SOLIDS	427.00	12.00	4.00	4.00	6.00
	26.00	3.00	1.00	1.00	1.00
TOTAL COD	953.40	466.10	94.10	91.50	90.10
	316.60	55.70	25.70	25.50	24.00
SOLUBLE COD	454.30	119.20	91.50	91.20	37.60
	88.60	44.30	23.60	24.60	23.40
TOTL PHOSPHORUS	7.84			0.98	0.98
	2.05			0.54	0.38
TKN	27.40			32.50	30.80
	10.90			17.70	15.70
NH4+ - N	32.60			30.50	40.10
	8.40			19.20	19.90
NO2- - N				1.38	
				0.21	
NO3- - N				2.12	
				1.02	
ALGAE CELL CNT		8.80	1.10	1.70	3811.90
		2.10	0.90	0.30	100.50
FECAL COLIFORM				350.00	2.00
				9.00	2.00
TURBIDITY	238.00	33.00	11.00	7.80	7.90
	86.00	15.00	2.70	2.30	3.30
CHLORINE RESID.					1.00
					0.50

MAX & MIN VALUES FROM DATE 10 1 76 TO DATE 10 30 76 INCLUSIVE

HIGH TEMP = 26.10 LOW TEMP = 11.70 RAIN = 2.54 SNOW = 0.00
6.10 -7.70 0.00 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	2.00				2.10
	0.60				0.83
W W FLOW PEAK	3.00				2.40
	0.90				0.98
W W TEMP	18.90	21.10	18.90	17.20	17.20
	12.20	12.80	10.00	7.80	7.80
PH	6.60	6.90	7.20	7.20	7.20
	4.50	6.40	6.70	6.70	6.60
DIS. OXYGEN	10.80	8.70	8.70	8.90	8.70
	7.30	3.10	4.10	3.60	5.00
ALKALINITY	67.60	87.80	99.20	112.60	97.20
	2.40	27.80	41.00	40.60	38.00
TOTAL BOD5	210.00	79.00	48.00	49.00	48.00
	18.00	12.00	6.00	1.00	0.00
SOLUBLE BOD5	153.00	80.00	47.00	50.00	36.00
	21.00	6.00	3.00	3.00	0.00
TOT SUSP SOLIDS	528.00	81.00	27.00	11.00	11.00
	27.00	4.00	1.00	0.00	0.00
VOL SUSP SOLIDS	427.00	75.00	23.00	11.00	10.00
	18.00	3.00	1.00	0.00	0.00
TOTAL COD	1003.80	466.10	94.10	91.50	90.10
	99.70	15.61	25.70	17.50	19.40
SOLUBLE COD	454.30	119.20	91.50	91.20	64.80
	0.22	19.40	23.60	16.50	18.40
TOTL PHOSPHORUS	9.96			1.95	2.13
	0.18			0.54	0.38
TKN	30.00			32.50	34.10
	3.41			17.20	15.70
NH4+ - N	37.10			34.90	40.10
	3.55			19.20	18.70
NO2- - N				1.38	
				0.08	
NO3- - N				2.12	
				0.30	
ALGAE CELL CNT		15.10	2.40	2.20	3811.90
		0.31	0.08	0.30	0.60
FECAL COLIFORM				350.00	13.00
				7.00	2.00
TURBIDITY	256.00	174.00	21.20	21.80	19.30
	86.00	15.00	2.00	1.40	2.00
CHLORINE RESID.					1.00
					0.30

MAX & MIN VALUES FROM DATE 11 7 75 TO DATE 10 30 76 INCLUSIVE

HIGH TEMP = 36.70 LOW TEMP = 21.10 RAIN = 7.62 SNOW =10.16
-13.20 -17.70 0.00 0.00

PARAMETER	SITE # 1	SITE # 2	SITE # 3	SITE # 4	SITE # 5
W W FLOW MIN.	3.40				2.10
	0.05				0.02
W W FLOW PEAK	4.00				2.40
	0.35				0.24
W W TEMP	23.90	27.20	25.60	25.00	25.00
	6.10	7.80	0.00	0.00	0.00
PH	7.00	7.30	8.70	8.80	8.10
	4.50	6.40	6.70	6.60	6.10
DIS. OXYGEN	15.00	9.40	15.00	15.00	15.00
	4.00	1.40	4.10	3.60	5.00
ALKALINITY	132.70	190.90	208.60	207.50	202.50
	-2.40	15.60	10.60	10.20	3.06
TOTAL BOD5	378.00	103.00	61.00	61.00	50.00
	12.00	7.00	2.00	1.00	0.00
SOLUBLE BOD5	192.00	98.00	58.00	59.00	48.00
	3.00	2.00	1.00	0.60	0.00
TOT SUSP SOLIDS	528.00	157.00	32.00	38.00	28.00
	0.01	4.00	1.00	0.00	0.00
VOL SUSP SOLIDS	427.00	98.00	32.00	30.00	26.00
	18.00	3.00	1.00	0.00	0.00
TOTAL COD	1743.10	543.60	94.10	91.50	90.10
	52.80	15.61	0.30	12.90	13.10
SOLUBLE COD	458.90	142.60	91.50	91.20	79.10
	0.22	16.20	15.50	14.28	12.90
TOTL PHOSPHORUS	14.32			4.91	7.73
	0.18			0.10	0.10
TKN	78.10			60.60	73.30
	2.20			8.10	0.30
NH4+ - N	110.00			63.40	79.90
	1.70			10.00	9.60
NO2- - N				1.38	
				0.08	
NO3- - N				3.30	
				0.10	
ALGAE CELL CNT		2906.80	3606.60	2982.30	3811.90
		0.00	0.08	0.24	0.03
FECAL COLIFORM				2400.00	17.00
				2.00	2.00
TURBIDITY	339.00	273.00	40.80	38.20	36.70
	40.00	15.00	2.00	1.40	2.00
CHLORINE RESID.					1.00
					0.05

DATE 11 11 75

Appendix D - Algae Classification

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	0.	0.	0.	0.
EUGLENOPHYTA	2600.	28500.	2300.	0.
CHLOROPHYTA	2100.	27500.	22300.	17100.
CHRYSOPHYTA	0.	0.	0.	0.

DATE 12 2 75

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	15.	762.	200.	0.
EUGLENOPHYTA	37.	149.	0.	0.
CHLOROPHYTA	7.	27.	47.	26.
CHRYSOPHYTA	1.	2.	1.	7.

DATE 12 4 75

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	82.	438.	289.	152.
EUGLENOPHYTA	44.	311.	160.	10.
CHLOROPHYTA	5.	26.	27.	27.
CHRYSOPHYTA	1.	5.	4.	20.

DATE 1 6 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	**********	555600.	2976000.	598600.
EUGLENOPHYTA	**********	2100.	900.	100.
CHLOROPHYTA	**********	9800.	5400.	6500.
CHRYSOPHYTA	**********	0.	0.	0.

DATE 1 8 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	1603100.	1400000.	874000.	941000.
EUGLENOPHYTA	1600.	2300.	600.	100.
CHLOROPHYTA	1500.	7100.	2400.	4600.
CHRYSOPHYTA	0.	0.	0.	0.

DATE 2 3 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	1081200.	894000.	885000.	1053000.
EUGLENOPHYTA	400.	0.	300.	0.
CHLOROPHYTA	700.	1500.	1000.	1400.
CHRYSOPHYTA	0.	0.	0.	0.

DATE 2 5 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	1551000.	387000.	415000.	444000.
EUGLENOPHYTA	600.	100.	100.	0.
CHLOROPHYTA	0.	1200.	1700.	1800.
CHRYSOPHYTA	0.	0.	0.	0.

DATE 2 12 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	554000.	273000.	182000.	232000.
EUGLENOPHYTA	100.	2000.	700.	100.
CHLOROPHYTA	8600.	5400.	1600.	2600.
CHRYSOPHYTA	0.	0.	0.	0.

DATE 2 15 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	450000.	240000.	112000.	243000.
EUGLENOPHYTA	0.	13900.	1600.	700.
CHLOROPHYTA	2200.	4100.	3900.	600.
CHRYSOPHYTA	0.	0.	0.	0.

DATE 2 17 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	515000.	207000.	183000.	176000.
EUGLENOPHYTA	42500.	800.	200.	0.
CHLOROPHYTA	600.	10100.	5800.	5800.
CHRYSOPHYTA	0.	0.	0.	0.

DATE 2 22 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	503000.	3200.	700.	1200.
EUGLENOPHYTA	0.	16300.	11300.	2800.
CHLOROPHYTA	4700.	11800.	10700.	7100.
CHRYSOPHYTA	0.	0.	0.	0.

DATE 2 27 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	684000.	7800.	7500.	1200.
EUGLENOPHYTA	700.	7000.	7300.	3300.
CHLOROPHYTA	3600.	580000.	363800.	484500.
CHRYSOPHYTA	0.	0.	0.	0.

DATE 3 11 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	494000.	140250.	109000.	69500.
EUGLENOPHYTA	1200.	975.	1200.	600.
CHLOROPHYTA	17200.	1602450.	1956300.	2483500.
CHRYSOPHYTA	0.	0.	0.	0.

DATE 3 14 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	515800.	1350.	12300.	8200.
EUGLENOPHYTA	200.	10.	0.	0.
CHLOROPHYTA	165600.	25130.	30800.	426900.
CHRYSOPHYTA	0.	0.	0.	0.

DATE 4 7 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	582200.	0.	0.	0.
EUGLENOPHYTA	1902800.	37200.	3200.	100.
CHLOROPHYTA	421800.	293500.	152500.	274300.
CHRYSOPHYTA	0.	100.	0.	100.

DATE 4 12 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	199960.	14100.	4700.	4100.
EUGLENOPHYTA	14560.	5800.	20500.	0.
CHLOROPHYTA	101120.	70900.	100.	38700.
CHRYSOPHYTA	40.	0.	100.	500.

DATE 5 4 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	0.	0.	0.	0.
EUGLENOPHYTA	40.	1700.	0.	200.
CHLOROPHYTA	20480.	113500.	118700.	157000.
CHRYSOPHYTA	0.	300.	0.	600.

DATE 5 7 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	0.	0.	0.	0.
EUGLENOPHYTA	30.	11400.	1300.	0.
CHLOROPHYTA	1080.	252400.	225500.	229200.
CHRYSOPHYTA	0.	100.	800.	1300.

DATE 5 11 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	0.	0.	0.	0.
EUGLENOPHYTA	2020.	2700.	0.	1100.
CHLOROPHYTA	330.	881600.	786500.	805500.
CHRYSOPHYTA	10.	0.	2400.	100.

DATE 5 14 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	0.	0.	0.	0.
EUGLENOPHYTA	0.	0.	0.	0.
CHLOROPHYTA	40.	904400.	1188300.	909300.
CHRYSOPHYTA	0.	200.	0.	900.

DATE 5 18 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	0.	0.	0.	0.
EUGLENOPHYTA	0.	0.	0.	0.
CHLOROPHYTA	90.	1711300.	2793400.	3597600.
CHRYSOPHYTA	0.	0.	0.	0.

DATE 5 21 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	0.	0.	0.	0.
EUGLENOPHYTA	0.	1300.	1900.	0.
CHLOROPHYTA	1010.	3605200.	1879400.	1555100.
CHRYSOPHYTA	10.	100.	0.	200.

DATE 5 25 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	0.	0.	0.	0.
EUGLENOPHYTA	0.	30.	110.	0.
CHLOROPHYTA	460.	83810.	90170.	76790.
CHRYSOPHYTA	0.	0.	0.	0.

DATE 5 28 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	0.	0.	0.	0.
EUGLENOPHYTA	10.	0.	0.	0.
CHLOROPHYTA	2100.	127260.	122850.	109720.
CHRYSOPHYTA	0.	0.	0.	0.

DATE 6 10 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	0.	0.	0.	0.
EUGLENOPHYTA	0.	80.	40.	0.
CHLOROPHYTA	830.	49540.	11440.	26690.
CHRYSOPHYTA	0.	0.	0.	0.

DATE 6 15 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	0.	0.	0.	0.
EUGLENOPHYTA	0.	160.	0.	0.
CHLOROPHYTA	1020.	25760.	22460.	19870.
CHRYSOPHYTA	0.	0.	0.	20.

DATE 7 7 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	0.	0.	0.	0.
EUGLENOPHYTA	20.	20.	130.	0.
CHLOROPHYTA	70.	2590.	1440.	1350.
CHRYSOPHYTA	0.	0.	40.	0.

DATE 7 10 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	0.	0.	0.	0.
EUGLENOPHYTA	60.	1100.	0.	20.
CHLOROPHYTA	750.	131000.	2060.	1750.
CHRYSOPHYTA	0.	200.	0.	0.

DATE 7 13 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	0.	0.	100000.	0.
EUGLENOPHYTA	280.	150.	10.	0.
CHLOROPHYTA	290.	2360.	2450.	2360.
CHRYSOPHYTA	10.	10.	0.	0.

DATE 7 16 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	0.	0.	0.	0.
EUGLENOPHYTA	260.	20.	170.	0.
CHLOROPHYTA	350.	2620.	2780.	2530.
CHRYSOPHYTA	0.	0.	0.	0.

DATE 7 19 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	0.	0.	0.	0.
EUGLENOPHYTA	60.	200.	130.	0.
CHLOROPHYTA	120.	3740.	4770.	4550.
CHRYSOPHYTA	0.	0.	0.	0.

DATE 7 23 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	0.	0.	3400.	2400.
EUGLENOPHYTA	430.	180.	380.	0.
CHLOROPHYTA	740.	4830.	3950.	3800.
CHRYSOPHYTA	0.	0.	0.	0.

DATE 7 26 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	0.	200.	0.	0.
EUGLENOPHYTA	0.	60.	40.	10.
CHLOROPHYTA	670.	3140.	2330.	2410.
CHRYSOPHYTA	0.	10.	0.	0.

DATE 7 30 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	0.	0.	5200.	400.
EUGLENOPHYTA	100.	60.	710.	0.
CHLOROPHYTA	850.	4100.	2250.	1850.
CHRYSOPHYTA	0.	0.	120.	0.

DATE 8 2 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	0.	0.	0.	0.
EUGLENOPHYTA	130.	520.	80.	0.
CHLOROPHYTA	1320.	2680.	2240.	2580.
CHRYSOPHYTA	0.	0.	0.	0.

DATE 8 17 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	200.	9200.	2800.	4000.
EUGLENOPHYTA	1360.	1420.	910.	0.
CHLOROPHYTA	2170.	2030.	3830.	81000.
CHRYSOPHYTA	0.	200.	400.	0.

DATE 8 21 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	200.	0.	39200.	0.
EUGLENOPHYTA	390.	430.	1580.	130.
CHLOROPHYTA	1730.	2530.	8120.	1930.
CHRYSOPHYTA	0.	0.	0.	0.

DATE 9 9 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	0.	0.	0.	0.
EUGLENOPHYTA	25.	50.	60.	150.
CHLOROPHYTA	6303.	290.	620.	300.
CHRYSOPHYTA	0.	0.	0.	0.

DATE 9 13 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	0.	0.	0.	0.
EUGLENOPHYTA	54.	10.	10.	0.
CHLOROPHYTA	2401.	300.	230.	550.
CHRYSOPHYTA	0.	0.	0.	0.

DATE 10 6 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	0.	0.	0.	3000.
EUGLENOPHYTA	100.	800.	100.	0.
CHLOROPHYTA	206.	1600.	2100.	900.
CHRYSOPHYTA	0.	0.	0.	0.

DATE 10 13 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	0.	0.	0.	0.
EUGLENOPHYTA	0.	0.	0.	0.
CHLOROPHYTA	15100.	1000.	700.	800.
CHRYSOPHYTA	0.	0.	0.	0.

DATE 10 16 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	0.	0.	0.	0.
EUGLENOPHYTA	300.	0.	0.	0.
CHLOROPHYTA	4600.	500.	800.	600.
CHRYSOPHYTA	0.	200.	0.	600.

DATE 10 20 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	0.	0.	0.	0.
EUGLENOPHYTA	480.	0.	0.	0.
CHLOROPHYTA	160.	80.	500.	600.
CHRYSOPHYTA	0.	0.	0.	0.

DATE 10 23 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	0.	0.	0.	0.
EUGLENOPHYTA	4700.	0.	400.	0.
CHLOROPHYTA	4100.	800.	1000.	3801400.
CHRYSOPHYTA	0.	100.	300.	10500.

DATE 10 30 76

	SITE # 2	SITE # 3	SITE # 4	SITE # 5
CYANOPHYTA	0.	0.	0.	100000.
EUGLENOPHYTA	1500.	200.	100.	200.
CHLOROPHYTA	600.	900.	200.	300.
CHRYSOPHYTA	0.	0.	0.	0.

Appendix E - State permit

Application No. _____

Effective Date _____

Expiration Date _____

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

DISCHARGE PERMIT

In compliance with the provisions of the Federal Water Pollution Control Act, as amended, (33 U.S.C. § 1251 et. seq.) (hereinafter referred to as "the Act"),

Windber Area Authority
(Full name of permittee)

is authorized by U.S. Environmental Protection Agency, Region III

to discharge from Point Sources 001 thru 005 (Listed herein)
(Street address of discharging facility)

Ingleside, Paint and Scalp Level Boroughs,

Cambria and Somerset Counties, Pa.

to Stony Creek, Paint Creek and Little Paint Creek
(Name of receiving waters)

in accordance with the attached general and special conditions contained herein.

Stephen R. Wassersug
Director, Enforcement Division
Environmental Protection Agency
Region III

June 26, 1974
Date

EPA-III-017A-73-T

POINT SOURCES
List of OVERFLOWS
BYPASSES

Point Source No.	NAME	LOCATION	RECEIVING STREAM
001	Ingleside Sewage Treatment Plant	Approx. 1 mile downstream from confluence with Paint Creek, Ingleside Boro	Stony Creek
002	Overflow	Lat. 40° 14' 59" Cambria Co. Long. 78° 51' 47" Ingleside Boro	Paint Creek
003	Overflow	Lat. 40° 14' 39" Somerset Co. Long. 78° 51' 19" Paint Boro	Paint Creek
004	Overflow	Lat. 40° 15' 05" Cambria Co. Long. 78° 50' 26" Scalp Level Boro	Little Paint Creek
005	Overflow	Lat. 40° 15' 04" Cambria Co. Long. 78° 50' 17" Scalp Level Boro	Little Paint Creek